

# 聚氯乙烯绝缘热电偶用补偿电缆

## The first chapter: PVC insulated thermocouple compensation cable

### 一、 产品标准 Standard

本产品根据 GB/T 4989-2013 《热电偶用补偿导线》和 JB/T 7495-1994 《热电偶用补偿电缆》标准设计、生产和检测。同时还可根据客户的特殊要求进行设计、生产和检测。

This product according to GB/T 4989-2013 《the thermocouple with compensation lead》 and JB/T 7495-1994 the thermocouple with compensation cable》 design, manufacture and testing. At the same time also can according to the special requirements of customers design, production and testing

### 二、 适用范围 Applications

本产品适用于电力、冶金、石油、化工、轻纺等工业及国防、科研部门自动化测温仪表的单个或多点连接的热电偶用补偿电缆。

The product is suitable for use in electric power, metallurgy, petroleum, chemical industry, textile industry and national defense, scientific research departments automatic temperature measuring meter of single point or multi-point thermocouple with compensation cable connection.

### 三、 使用特性 Operating characteristics

1、 电缆工作温度：聚氯乙烯绝缘热电偶用补偿电缆长期允许工作温度为 70℃和 100℃。

Cable working temperature: PVC insulated thermocouple compensation cable conductor long allowed working temperature 70℃and 100℃。

2、 电缆的敷设温度：电缆的敷设温度应不低于 0℃。

The ambient temperature under installation should not below 0℃。

3、 热电偶用补偿电缆允许弯曲半径：

——有铜带屏蔽结构的补偿电缆，应不小于电缆外径的 16 倍；

——其他结构的补偿电缆，应不小于电缆外径的 10 倍。

Thermocouple compensation cable allows bending radius:

——the structure of the copper tape screened compensation cable, should not be less than 16 times of cable diameter;

——other compensation cable structure, should be not less than 10 times of cable diameter.

### 四、 产品型号及名称 Type of cable

表 1 产品型号及名称

Table 1 Type of cable

型号 Type	名称 Designation
KX-GSVV	聚氯乙烯绝缘聚氯乙烯护套精密级单股导体 K 分度号热电偶用补偿电缆 PVC insulated PVC sheathed precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-GSVPV	聚氯乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽精密级单股导体 K 分度号热电偶用补偿电缆 PVC insulated PVC sheathed braiding individual screen precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-GSVVP	聚氯乙烯绝缘聚氯乙烯护套铜丝编织总屏蔽精密级单股导体 K 分度号热电偶用补偿电缆 PVC insulated PVC sheathed braiding overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-GSVPVP	聚氯乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽和总屏蔽精密级单股导体 K 分度号热电偶用补偿电缆 PVC insulated PVC sheathed braiding individual screen and overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-GSVP2V	聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽精密级单股导体 K 分度号热电偶用补偿电缆 PVC insulated PVC sheathed copper tape individual screen precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-GSVVP2	聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包总屏蔽精密级单股导体 K 分度号热电偶用补偿电缆 PVC insulated PVC sheathed copper tape overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-GSVP2VP2	聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽和总屏蔽精密级单股导体 K 分度号热电偶用补偿电缆 PVC insulated PVC sheathed copper tape individual screen and overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable

续上表:

型号 Type	名称 Designation
KX-GSVP3V	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape individual screen precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-GSVVP3	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包总屏蔽精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-GSVP3VP3	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽和总屏蔽精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape individual screen and overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-GSVPV22	<p>聚氯乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽钢带铠装精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed braiding individual screen steel tape armoured precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-GSVVP22	<p>聚氯乙烯绝缘聚氯乙烯护套铜丝编织总屏蔽钢带铠装精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed braiding overall screen steel tape armoured precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-GSVPVP22	<p>聚氯乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽和总屏蔽钢带铠装精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed braiding individual screen and overall screen steel tape armoured precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-GSVP2V22	<p>聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽钢带铠装精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed copper tape individual screen steel tape armoured precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-GSVVP2-22	<p>聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包总屏蔽钢带铠装精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed copper tape overall screen steel tape armoured precision grade single stranded conductor number K dividing thermocouple compensating cable</p>

续上表:

型号 Type	名称 Designation
KX-GSVP2VP2-22	<p>聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽和总屏蔽钢带铠装精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed copper tape individual screen and overall screen steel tape armoured precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-GSVP3V22	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽钢带铠装精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape individual screen steel tape armoured precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-GSVVP3-22	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包总屏蔽钢带铠装精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape overall screen steel tape armoured precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-GSVP3VP3-22	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽和总屏蔽钢带铠装精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape individual screen and overall screen steel tape armoured precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-GSVVR	<p>聚氯乙烯绝缘聚氯乙烯护套精密级多股软导体 K 分度号热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed precision grade multi-strand soft conductor number K dividing thermocouple compensating cable</p>
KX-GSVPVR	<p>聚氯乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽精密级多股软导体 K 分度号热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed braiding individual screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable</p>
KX-GSVVRP	<p>聚氯乙烯绝缘聚氯乙烯护套铜丝编织总屏蔽精密级多股软导体 K 分度号热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed braiding overall screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable</p>
KX-GSVPVRP	<p>聚氯乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽和总屏蔽精密级多股软导体 K 分度号热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed braiding individual screen and overall screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable</p>

续上表:

型号 Type	名称 Designation
KX-GSVP2VR	聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽精密级多股软导体 K 分度号热电偶用补偿电缆 PVC insulated PVC sheathed copper tape individual screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable
KX-GSVVRP2	聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包总屏蔽精密级多股软导体 K 分度号热电偶用补偿电缆 PVC insulated PVC sheathed copper tape overall screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable
KX-GSVP2VRP2	聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽和总屏蔽精密级多股软导体 K 分度号热电偶用补偿电缆 PVC insulated PVC sheathed copper tape individual screen and overall screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable
KX-GSVP3VR	聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽精密级多股软导体 K 分度号热电偶用补偿电缆 PVC insulated PVC sheathed aluminum-plastic composite tape individual screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable
KX-GSVVRP3	聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包总屏蔽精密级多股软导体 K 分度号热电偶用补偿电缆 PVC insulated PVC sheathed aluminum-plastic composite tape overall screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable
KX-GSVP3VRP3	聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽和总屏蔽精密级多股软导体 K 分度号热电偶用补偿电缆 PVC insulated PVC sheathed aluminum-plastic composite tape individual screen and overall screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable
备注: 1、其它型号补偿电缆 EX、SC、KC、NC、NX、BC、TX、JX, 只需改写型号的第一项, 如 EX-GSVPV 等。2、阻燃分为成束 A、B、C 类阻燃, 分别表示为 ZA、ZB、ZC, 一般不注明 (ZR) 等级则为 C 类。 Note: 1, the other model thermocouple compensating cable EX, SC, KC, NC, NX, BC, TX, JX, only need to rewrite the model first, such as the EX - GSVPV 2、flame retardant is divided into bundles of A, B, C flame retardant, are expressed as ZA, ZB,ZC, generally does not indicate (ZR) level for the C class.	

## 五、 电缆结构尺寸 Cable structure size

### 1、 2 芯 KX-GSVVP、KX-GSVVP2、KX-GSVVRP、KX-GSVVRP2 补偿电缆

PVC insulated precision

grade thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	导体种类 Conductor type	绝缘标称 厚度 Thickness of Insulation  mm	护套标称 厚度 Thickness of Sheath  mm	电缆最大 外径 mm Maximum overall diameter of cable	电缆近似重 重 kg/km Approximat e the weight ofca ble
2×0.5	单股结构 single stranded conductor	0.5	0.8	3.7×6.4	43
	多股软结构 multi-strand soft conductor	0.5	0.8	3.9×6.6	44
2×1.0	单股结构 single stranded conductor	0.7	1.0	5.0×7.7	70
	多股软结构 multi-strand soft conductor	0.7	1.0	5.1×8.0	73
2×1.5	单股结构 single stranded conductor	0.7	1.0	5.2×8.3	83
	多股软结构 multi-strand soft conductor	0.7	1.0	5.5×8.7	87
2×2.5	单股结构 single stranded conductor	0.7	1.0	5.7×9.3	109
	多股软结构 multi-strand soft conductor	0.7	1.0	5.9×9.8	114

2、KX-GSVPV、KX-GSVP2V 型热电偶用补偿电缆

PVC insulated precision grade

thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSVPV 型电缆		KX-GSVP2V 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	10.8	130	10.1	113
3×2×0.5	11.4	157	10.7	136
4×2×0.5	12.5	194	11.7	167
5×2×0.5	14.2	250	12.7	198
7×2×0.5	15.4	291	14.4	250
8×2×0.5	17.2	369	16.0	315
10×2×0.5	19.4	421	18.1	360
12×2×0.5	20.0	477	18.7	407
14×2×0.5	21.4	560	19.6	461
19×2×0.5	23.8	698	22.1	592
24×2×0.5	27.8	886	25.8	751
27×2×0.5	28.4	970	26.4	821
30×2×0.5	29.5	1063	27.3	898
37×2×0.5	32.4	1297	29.5	1058
2×2×1	14.0	217	12.7	177
3×2×1	14.8	263	13.5	217
4×2×1	16.2	323	15.4	288
5×2×1	17.7	388	16.8	344
7×2×1	19.3	454	18.3	402
8×2×1	22.1	603	20.6	517
10×2×1	25.0	688	23.7	609
12×2×1	25.9	783	24.5	691
14×2×1	27.2	890	25.8	784
19×2×1	31.0	1159	28.7	981

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSVPV 型电缆		KX-GSVP2V 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
24×2×1	36.7	1509	34.3	1298
27×2×1	37.5	1651	35.1	1421
30×2×1	38.9	1809	36.4	1557
37×2×1	42.0	2136	39.7	1873
2×2×1.5	14.9	253	14.2	229
3×2×1.5	15.8	312	15.1	282
4×2×1.5	17.3	385	16.5	347
5×2×1.5	18.9	463	18.0	417
7×2×1.5	21.0	566	19.6	491
8×2×1.5	23.6	723	22.5	650
10×2×1.5	26.8	829	25.5	743
12×2×1.5	27.7	947	26.3	848
14×2×1.5	29.1	1079	27.7	965
19×2×1.5	33.1	1406	31.5	1258
24×2×1.5	39.3	1829	37.3	1635
27×2×1.5	40.1	2006	38.1	1793
30×2×1.5	41.6	2202	39.5	1966
37×2×1.5	45.0	2610	42.7	2327
2×2×2.5	16.3	319	15.6	293
3×2×2.5	17.3	399	16.6	366
4×2×2.5	19.0	498	18.2	456
5×2×2.5	21.2	622	19.9	551
7×2×2.5	23.1	742	22.1	679
8×2×2.5	26.0	944	24.9	863
10×2×2.5	29.6	1089	28.3	994
12×2×2.5	31.2	1293	29.2	1142
14×2×2.5	32.8	1476	31.4	1348
19×2×2.5	37.0	1905	35.0	1707
24×2×2.5	43.5	2429	41.5	2214
27×2×2.5	44.5	2675	42.4	2436
30×2×2.5	46.1	2941	44.0	2678
37×2×2.5	50.6	3571	48.2	3251



3、KX-GSVPVR、KX-GSVP2VR 型热电偶用补偿电缆

PVC insulated precision grade

thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSVPVR 型电缆		KX-GSVP2VR 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	11.1	135	10.5	119
3×2×0.5	11.8	165	11.1	143
4×2×0.5	12.9	202	12.1	174
5×2×0.5	14.7	261	13.2	208
7×2×0.5	15.9	302	14.9	260
8×2×0.5	17.8	385	16.7	331
10×2×0.5	20.5	457	18.8	376
12×2×0.5	21.2	516	19.4	424
14×2×0.5	22.2	583	20.4	480
19×2×0.5	24.7	726	23.0	616
24×2×0.5	28.9	923	26.9	783
27×2×0.5	29.5	1010	27.5	855
30×2×0.5	31.2	1147	28.5	935
37×2×0.5	33.7	1350	31.4	1142
2×2×1	14.6	229	13.3	187
3×2×1	15.5	278	14.8	249
4×2×1	16.9	340	16.1	303
5×2×1	18.5	409	17.6	363
7×2×1	20.2	475	19.2	420
8×2×1	23.1	635	22.0	564
10×2×1	26.2	723	24.9	639
12×2×1	27.1	821	25.7	725
14×2×1	28.5	933	27.0	821
19×2×1	32.4	1211	30.2	1025

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSVPVR 型电缆		KX-GSVP2VR 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
24×2×1	38.4	1580	36.0	1358
27×2×1	39.3	1729	36.8	1486
30×2×1	40.7	1892	38.6	1662
37×2×1	44.0	2232	41.7	1956
2×2×1.5	15.5	266	14.9	243
3×2×1.5	16.5	327	15.8	296
4×2×1.5	18.1	404	17.3	365
5×2×1.5	19.8	487	18.9	438
7×2×1.5	22.0	591	20.7	513
8×2×1.5	24.8	762	23.6	682
10×2×1.5	28.1	867	26.8	779
12×2×1.5	29.1	990	27.7	886
14×2×1.5	31.2	1171	29.2	1009
19×2×1.5	34.8	1468	33.2	1312
24×2×1.5	41.3	1912	39.4	1710
27×2×1.5	42.3	2098	40.2	1872
30×2×1.5	43.8	2301	41.7	2052
37×2×1.5	48.0	2788	45.1	2425
2×2×2.5	17.3	341	16.6	313
3×2×2.5	18.4	425	17.7	390
4×2×2.5	20.2	528	19.4	483
5×2×2.5	22.6	661	21.7	604
7×2×2.5	24.7	781	23.7	713
8×2×2.5	27.8	1004	26.7	917
10×2×2.5	32.3	1194	30.3	1048
12×2×2.5	33.4	1365	32.0	1245
14×2×2.5	35.1	1556	33.7	1418
19×2×2.5	39.6	2002	38.0	1823
24×2×2.5	46.6	2558	44.6	2326
27×2×2.5	48.3	2879	45.6	2558
30×2×2.5	50.1	3160	47.4	2811
37×2×2.5	54.2	3750	51.9	3407

4、KX-GSVVP、KX-GSVVP2 热电偶用补偿电缆

PVC insulated precision grade thermocouple

compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSVVP 型电缆		KX-GSVVP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	10.2	127	9.8	109
3×2×0.5	10.8	148	10.4	129
4×2×0.5	11.7	175	11.3	154
5×2×0.5	12.6	203	12.2	180
7×2×0.5	13.6	229	13.2	205
8×2×0.5	15.8	310	15.4	282
10×2×0.5	17.7	351	17.3	318
12×2×0.5	18.2	388	17.8	354
14×2×0.5	19.1	433	18.7	397
19×2×0.5	21.1	525	20.7	485
24×2×0.5	24.9	682	24.5	635
27×2×0.5	25.4	736	25.0	688
30×2×0.5	26.3	799	25.9	749
37×2×0.5	28.4	927	28.0	873
2×2×1	12.8	195	12.4	172
3×2×1	13.6	231	13.2	206
4×2×1	15.4	297	15.0	269
5×2×1	16.8	352	16.4	321
7×2×1	18.2	400	17.8	366
8×2×1	20.3	507	19.9	469
10×2×1	23.3	595	22.9	551
12×2×1	24.1	665	23.7	619
14×2×1	25.3	745	24.9	698
19×2×1	28.1	914	27.7	861

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSVVP 型电缆		KX-GSVVP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
24×2×1	33.4	1202	32.4	1095
27×2×1	34.1	1304	33.7	1239
30×2×1	35.4	1419	35.0	1352
37×2×1	38.6	1691	37.8	1583
2×2×1.5	13.7	231	13.3	206
3×2×1.5	15.1	296	14.7	268
4×2×1.5	16.5	358	16.1	327
5×2×1.5	17.9	422	17.5	389
7×2×1.5	19.5	489	19.1	452
8×2×1.5	22.2	639	21.4	578
10×2×1.5	25.1	728	24.7	681
12×2×1.5	25.9	818	25.5	769
14×2×1.5	27.2	923	26.8	871
19×2×1.5	30.2	1142	29.8	1085
24×2×1.5	36.0	1498	35.6	1429
27×2×1.5	36.8	1631	36.4	1561
30×2×1.5	38.5	1815	37.7	1708
37×2×1.5	41.6	2128	41.2	2048
2×2×2.5	15.7	315	15.3	287
3×2×2.5	16.6	381	16.2	351
4×2×2.5	18.2	468	17.8	434
5×2×2.5	19.8	557	19.4	520
7×2×2.5	22.0	676	21.2	616
8×2×2.5	24.6	850	24.2	804
10×2×2.5	27.9	978	27.5	925
12×2×2.5	28.8	1108	28.4	1053
14×2×2.5	30.3	1258	29.9	1200
19×2×2.5	34.3	1622	33.9	1557
24×2×2.5	40.6	2095	40.2	2017
27×2×2.5	41.5	2291	41.1	2211
30×2×2.5	43.0	2508	42.6	2425
37×2×2.5	46.5	2963	46.1	2873

5、KX-GSVVRP、KX-GSVVRP2 热电偶用补偿电缆

PVC insulated precision grade

thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSVVRP 型电缆		KX-GSVVRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	10.6	134	10.2	115
3×2×0.5	11.1	153	10.7	133
4×2×0.5	12.1	182	11.7	160
5×2×0.5	13.1	212	12.7	188
7×2×0.5	14.8	258	13.8	213
8×2×0.5	16.4	324	16.0	294
10×2×0.5	18.4	366	18.0	332
12×2×0.5	19.0	404	18.6	369
14×2×0.5	19.9	450	19.5	413
19×2×0.5	22.4	565	22.0	523
24×2×0.5	26.0	710	25.6	661
27×2×0.5	26.6	766	26.2	716
30×2×0.5	27.5	831	27.1	779
37×2×0.5	29.6	962	29.2	905
2×2×1	13.4	207	13.0	183
3×2×1	14.8	263	13.8	217
4×2×1	16.1	313	15.7	284
5×2×1	17.5	368	17.1	336
7×2×1	19.0	417	18.6	381
8×2×1	21.7	553	20.9	494
10×2×1	24.5	624	24.1	578
12×2×1	25.3	696	24.9	648
14×2×1	26.5	779	26.1	729
19×2×1	29.5	954	29.1	897

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSVVRP 型电缆		KX-GSVVRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
24×2×1	35.1	1256	34.7	1189
27×2×1	35.9	1362	35.5	1293
30×2×1	37.2	1482	36.8	1411
37×2×1	40.6	1763	40.2	1685
2×2×1.5	15.0	265	14.0	218
3×2×1.5	15.9	313	15.5	284
4×2×1.5	17.3	376	16.9	344
5×2×1.5	18.8	443	18.4	409
7×2×1.5	20.5	509	20.1	471
8×2×1.5	23.4	673	23.0	629
10×2×1.5	26.4	762	26.0	712
12×2×1.5	27.3	856	26.9	804
14×2×1.5	28.7	964	28.3	909
19×2×1.5	32.5	1232	31.5	1128
24×2×1.5	38.1	1564	37.7	1491
27×2×1.5	39.3	1736	38.5	1627
30×2×1.5	40.7	1892	40.3	1814
37×2×1.5	44.0	2214	43.6	2129
2×2×2.5	16.7	338	16.3	307
3×2×2.5	17.8	409	17.4	376
4×2×2.5	19.4	495	19.0	459
5×2×2.5	21.2	591	20.8	552
7×2×2.5	23.5	709	23.1	665
8×2×2.5	26.4	903	26.0	853
10×2×2.5	29.9	1030	29.5	973
12×2×2.5	31.0	1167	30.6	1108
14×2×2.5	33.2	1365	32.2	1259
19×2×2.5	36.9	1697	36.5	1627
24×2×2.5	43.7	2197	43.3	2113
27×2×2.5	44.7	2401	44.3	2315
30×2×2.5	46.4	2626	46.0	2536
37×2×2.5	50.7	3160	49.7	2996

6、KX-GSVPVP、KX-GSVP2VP2 型热电偶用补偿电缆

PVC insulated precision grade

thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSVPVP 型电缆		KX-GSVP2VP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	11.4	165	10.3	127
3×2×0.5	12.0	195	10.9	151
4×2×0.5	13.1	235	11.9	183
5×2×0.5	14.8	297	12.9	217
7×2×0.5	16.0	342	14.6	270
8×2×0.5	17.8	427	16.2	338
10×2×0.5	20.4	505	18.3	387
12×2×0.5	21.0	563	18.9	435
14×2×0.5	22.0	632	19.8	490
19×2×0.5	24.4	779	22.3	625
24×2×0.5	28.4	982	26.0	790
27×2×0.5	29.0	1068	26.6	861
30×2×0.5	30.7	1206	27.5	939
37×2×0.5	33.0	1409	29.7	1103
2×2×1	14.6	262	12.9	195
3×2×1	15.4	312	14.3	255
4×2×1	16.8	377	15.6	309
5×2×1	18.3	447	17.0	368
7×2×1	20.3	537	18.5	428
8×2×1	22.7	678	20.8	548
10×2×1	25.6	774	23.9	644
12×2×1	26.5	872	24.7	727
14×2×1	27.8	984	26.0	823
19×2×1	31.6	1265	28.9	1025

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSVPVP 型电缆		KX-GSVP2VP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
24×2×1	37.3	1636	34.5	1350
27×2×1	38.1	1780	35.3	1474
30×2×1	39.5	1944	36.6	1612
37×2×1	42.6	2282	39.9	1934
2×2×1.5	15.5	302	14.4	249
3×2×1.5	16.4	364	15.3	303
4×2×1.5	17.9	443	16.7	371
5×2×1.5	19.5	527	18.2	443
7×2×1.5	21.6	636	19.8	520
8×2×1.5	24.2	803	22.7	683
10×2×1.5	27.4	921	25.7	781
12×2×1.5	28.3	1042	26.5	887
14×2×1.5	30.3	1220	27.9	1007
19×2×1.5	33.7	1520	31.7	1305
24×2×1.5	39.9	1965	37.5	1692
27×2×1.5	40.7	2146	38.3	1851
30×2×1.5	42.2	2346	39.7	2026
37×2×1.5	45.6	2767	42.9	2392
2×2×2.5	16.9	373	15.8	315
3×2×2.5	17.9	457	16.8	390
4×2×2.5	20.0	580	18.4	482
5×2×2.5	21.8	693	20.1	580
7×2×2.5	23.7	821	22.3	711
8×2×2.5	26.6	1033	25.1	900
10×2×2.5	30.8	1233	28.5	1037
12×2×2.5	31.8	1400	29.4	1186
14×2×2.5	33.4	1589	31.6	1395
19×2×2.5	37.6	2033	35.2	1760
24×2×2.5	44.1	2581	41.7	2277
27×2×2.5	45.1	2831	42.6	2502
30×2×2.5	47.3	3165	44.2	2746
37×2×2.5	51.2	3748	48.4	3325



## 7、KX-GSVPVRP、KX-GSVP2VRP2 型热电偶用补偿电缆

PVC insulated precision grade

thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSVPVRP 型电缆		KX-GSVP2VRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	11.7	172	10.7	133
3×2×0.5	12.4	204	11.3	158
4×2×0.5	14.1	263	12.3	191
5×2×0.5	15.3	310	13.4	227
7×2×0.5	16.5	355	15.1	280
8×2×0.5	18.4	445	16.9	355
10×2×0.5	21.1	525	19.0	404
12×2×0.5	21.8	587	19.6	453
14×2×0.5	22.8	658	20.6	510
19×2×0.5	25.3	810	23.2	650
24×2×0.5	30.1	1063	27.1	823
27×2×0.5	30.7	1153	27.7	896
30×2×0.5	31.8	1255	28.7	978
37×2×0.5	34.3	1466	31.6	1189
2×2×1	15.2	277	13.5	206
3×2×1	16.1	329	15.0	270
4×2×1	17.5	396	16.3	326
5×2×1	19.1	471	17.8	388
7×2×1	21.2	562	19.4	448
8×2×1	23.7	714	22.2	597
10×2×1	26.8	813	25.1	676
12×2×1	27.7	915	25.9	763
14×2×1	29.1	1031	27.2	862
19×2×1	33.0	1323	30.4	1071

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSVPVRP 型电缆		KX-GSVP2VRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
24×2×1	39.0	1712	36.2	1413
27×2×1	39.9	1865	37.0	1543
30×2×1	41.3	2034	38.8	1720
37×2×1	44.6	2386	41.9	2020
2×2×1.5	16.1	317	15.1	264
3×2×1.5	17.1	382	16.0	319
4×2×1.5	18.7	465	17.5	390
5×2×1.5	20.8	573	19.1	466
7×2×1.5	22.6	665	21.3	562
8×2×1.5	25.4	846	23.8	717
10×2×1.5	28.7	964	27.0	819
12×2×1.5	30.3	1131	27.9	928
14×2×1.5	31.8	1278	29.4	1054
19×2×1.5	35.4	1589	33.4	1362
24×2×1.5	41.9	2055	39.6	1770
27×2×1.5	42.9	2245	40.4	1933
30×2×1.5	44.4	2454	41.9	2116
37×2×1.5	48.6	2955	45.3	2495
2×2×2.5	17.9	399	16.8	337
3×2×2.5	19.0	487	17.9	415
4×2×2.5	21.2	615	19.6	511
5×2×2.5	23.2	737	21.9	636
7×2×2.5	25.3	866	23.9	748
8×2×2.5	28.4	1100	26.9	957
10×2×2.5	32.9	1305	30.5	1095
12×2×2.5	34.0	1480	32.2	1293
14×2×2.5	36.1	1710	33.9	1469
19×2×2.5	40.2	2139	38.2	1881
24×2×2.5	47.8	2785	44.8	2395
27×2×2.5	48.9	3047	45.8	2628
30×2×2.5	50.7	3335	47.6	2884
37×2×2.5	54.8	3940	52.1	3488

## 氟塑料绝缘热电偶用补偿电缆

### The second chapter: fluorine plastic insulated thermocouple compensation cable

#### 一、 产品标准 Standard

本产品根据 GB/T 4989-2013 《热电偶用补偿导线》和 JB/T 7495-1994 《热电偶用补偿电缆》标准设计、生产和检测。同时还可根据客户的特殊要求进行设计、生产和检测。

This product according to GB/T 4989-2013 《the thermocouple with compensation lead》 and JB/T 7495-1994 the thermocouple with compensation cable》 design, manufacture and testing. At the same time also can according to the special requirements of customers design, production and testing.

#### 二、 适用范围 Applications

本产品适用于电力、冶金、石油、化工、轻纺等工业及国防、科研部门自动化测温仪表的単点或多点连接的热电偶用补偿电缆。

The product is suitable for use in electric power, metallurgy, petroleum, chemical industry, textile industry and national defense, scientific research departments automatic temperature measuring meter of single point or multi-point thermocouple with compensation cable connection.

#### 三、 使用特性 Operating characteristics

1、 工作温度：氟塑料绝缘氟塑料护套热电偶用补偿电缆长期允许工作温度为 200℃。

Cable working temperature: fluorine plastic insulated and sheathed thermocouple compensation cable conductor long allowed working temperature 200℃。

2、 热电偶用补偿电缆允许弯曲半径：

——有铜带屏蔽结构的补偿电缆，应不小于电缆外径的 16 倍；

——其他结构的补偿电缆，应不小于电缆外径的 10 倍。

Thermocouple compensation cable allows bending radius:

——the structure of the copper tape screened compensation cable, should not be less than 16 times of cable diameter;

——other compensation cable structure, should be not less than 10 times of cable diameter.

#### 四、 产品型号及名称 Type of cable

表 1 产品型号及名称

Table 1 Type of cable

型号 Type	名称 Designation
KX-HSFF	氟塑料绝缘氟塑料护套精密级单股导体 K 分度号热电偶用补偿电缆 Fluorine plastic insulation and sheathed precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-HSFPP	氟塑料绝缘氟塑料护套铜丝编织分屏蔽精密级单股导体 K 分度号热电偶用补偿电缆 Fluorine plastic insulation and sheathed braiding individual screen precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-HSFFP	氟塑料绝缘氟塑料护套铜丝编织总屏蔽精密级单股导体 K 分度号热电偶用补偿电缆 Fluorine plastic insulation and sheathed braiding overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-HSFPPF	氟塑料绝缘氟塑料护套铜丝编织分屏蔽和总屏蔽精密级单股导体 K 分度号热电偶用补偿电缆 Fluorine plastic insulation and sheathed braiding individual screen and overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-HSFP2F	氟塑料绝缘氟塑料护套铜塑复合带绕包分屏蔽精密级单股导体 K 分度号热电偶用补偿电缆 Fluorine plastic insulation and sheathed copper tape individual screen precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-HSFFP2	氟塑料绝缘氟塑料护套铜塑复合带绕包总屏蔽精密级单股导体 K 分度号热电偶用补偿电缆 Fluorine plastic insulation and sheathed copper tape overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-HSFP2FP2	氟塑料绝缘氟塑料护套铜塑复合带绕包分屏蔽和总屏蔽精密级单股导体 K 分度号热电偶用补偿电缆 Fluorine plastic insulation and sheathed copper tape individual screen and overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-HSFP3F	氟塑料绝缘氟塑料护套铝塑复合带绕包分屏蔽精密级单股导体 K 分度号热电偶用补偿电缆 Fluorine plastic insulation and sheathed aluminum-plastic composite tape individual screen precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-HSFFP3	氟塑料绝缘氟塑料护套铝塑复合带绕包总屏蔽精密级单股导体 K 分度号热电偶用补偿电缆 Fluorine plastic insulation and sheathed aluminum-plastic composite tape overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable

续上表:

型号 Type	名称 Designation
KX-HSFP3FP3	<p>氟塑料绝缘氟塑料护套铝塑复合带绕包分屏蔽和总屏蔽精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and sheathed aluminum-plastic composite tape individual screen and overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-HSFFR	<p>氟塑料绝缘氟塑料护套精密级多股软导体 K 分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and sheathed precision grade multi-strand soft conductor number K dividing thermocouple compensating cable</p>
KX-HSFPPR	<p>氟塑料绝缘氟塑料护套铜丝编织分屏蔽精密级多股软导体 K 分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and sheathed sheathed braiding individual screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable</p>
KX-HSFFRP	<p>氟塑料绝缘氟塑料护套铜丝编织总屏蔽精密级多股软导体 K 分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and sheathed braiding overall screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable</p>
KX-HSFPPRP	<p>氟塑料绝缘氟塑料护套铜丝编织分屏蔽和总屏蔽精密级多股软导体 K 分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and sheathed braiding individual screen and overall screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable</p>
KX-HSFP2FR	<p>氟塑料绝缘氟塑料护套铜塑复合带绕包分屏蔽精密级多股软导体 K 分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and sheathed copper tape individual screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable</p>
KX-HSFFRP2	<p>氟塑料绝缘氟塑料护套铜塑复合带绕包总屏蔽精密级多股软导体 K 分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and sheathed copper tape overall screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable</p>
KX-HSFP2FRP2	<p>氟塑料绝缘氟塑料护套铜塑复合带绕包分屏蔽和总屏蔽精密级多股软导体 K 分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and sheathed copper tape individual screen and overall screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable</p>

续上表:

型号 Type	名称 Designation
KX-HSFP3FR	<p>氟塑料绝缘氟塑料护套铝塑复合带绕包分屏蔽精密级多股软导体K分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and sheathed aluminum-plastic composite tape individual screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable</p>
KX-HSFFRP3	<p>氟塑料绝缘氟塑料护套铝塑复合带绕包总屏蔽精密级多股软导体K分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and sheathed aluminum-plastic composite tape overall screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable</p>
KX-HSFP3FRP3	<p>氟塑料绝缘氟塑料护套铝塑复合带绕包分屏蔽和总屏蔽精密级多股软导体K分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and sheathed aluminum-plastic composite tape individual screen and overall screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable</p>
KX-HSFG	<p>氟塑料绝缘硅橡胶护套精密级单股导体K分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-HSFPG	<p>氟塑料绝缘硅橡胶护套铜丝编织分屏蔽精密级单股导体K分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed braiding individual screen precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-HSFGP	<p>氟塑料绝缘硅橡胶护套铜丝编织总屏蔽精密级单股导体K分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed braiding overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-HSFPGP	<p>氟塑料绝缘硅橡胶护套铜丝编织分屏蔽和总屏蔽精密级单股导体K分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed braiding individual screen and overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-HSFP2G	<p>氟塑料绝缘硅橡胶护套铜塑复合带绕包分屏蔽精密级单股导体K分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed copper tape individual screen precision grade single stranded conductor number K dividing thermocouple compensating cable</p>

续上表:

型号 Type	名称 Designation
KX-HSFGP2	<p>氟塑料绝缘硅橡胶护套铜塑复合带绕包总屏蔽精密级单股导体K分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber copper tape overall screen sheathed precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-HSFP2GP2	<p>氟塑料绝缘硅橡胶护套铜塑复合带绕包分屏蔽和总屏蔽精密级单股导体K分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed copper tape individual screen and overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-HSFP3G	<p>氟塑料绝缘硅橡胶护套铝塑复合带绕包分屏蔽精密级单股导体K分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed aluminum-plastic composite tape individual screen precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-HSFGP3	<p>氟塑料绝缘硅橡胶护套铝塑复合带绕包总屏蔽精密级单股导体K分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber aluminum-plastic composite tape overall screen sheathed precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-HSFP3GP3	<p>氟塑料绝缘硅橡胶护套铝塑复合带绕包分屏蔽和总屏蔽精密级单股导体K分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed aluminum-plastic composite tape individual screen and overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-HSFGP	<p>氟塑料绝缘硅橡胶护套精密级多股软导体K分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed precision grade multi-strand soft conductor number K dividing thermocouple compensating cable</p>
KX-HSFPGR	<p>氟塑料绝缘硅橡胶护套铜丝编织分屏蔽精密级多股软导体K分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed braiding individual screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable</p>
KX-HSFGP	<p>氟塑料绝缘硅橡胶护套铜丝编织总屏蔽精密级多股软导体K分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed braiding overall screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable</p>

续上表:

型号 Type	名称 Designation
KX-HSFPGRP	<p>氟塑料绝缘硅橡胶护套铜丝编织分屏蔽和总屏蔽精密级多股软导体 K 分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed braiding individual screen and overall screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable</p>
KX-HSFV	<p>氟塑料绝缘聚氯乙烯护套精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and PVC sheathed precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-HSFPV	<p>氟塑料绝缘聚氯乙烯护套铜丝编织分屏蔽精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and PVC sheathed braiding individual screen precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-HSFVP	<p>氟塑料绝缘聚氯乙烯护套铜丝编织总屏蔽精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and PVC sheathed braiding overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-HSFPVP	<p>氟塑料绝缘聚氯乙烯护套铜丝编织分屏蔽和总屏蔽精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and PVC sheathed braiding individual screen and overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-HSFP2V	<p>氟塑料绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and PVC sheathed copper tape individual screen precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-HSFVP2	<p>氟塑料绝缘聚氯乙烯护套铜塑复合带绕包总屏蔽精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and PVC sheathed copper tape overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-HSFP2VP2	<p>氟塑料绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽和总屏蔽精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>Fluorine plastic insulation and PVC sheathed copper tape individual screen and overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable</p>



续上表:

型号	名称
KX-HSFVR	氟塑料绝缘聚氯乙烯护套精密级多股软导体 K 分度号热电偶用补偿电缆 Fluorine plastic insulation and PVC sheathed precision grade multi-strand soft conductor number K dividing thermocouple compensating cable
KX-HSFPVR	氟塑料绝缘聚氯乙烯护套铜丝编织分屏蔽精密级多股软导体 K 分度号热电偶用补偿电缆 Fluorine plastic insulation and PVC sheathed braiding individual screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable
KX-HSFVRP	氟塑料绝缘聚氯乙烯护套铜丝编织总屏蔽精密级多股软导体 K 分度号热电偶用补偿电缆 Fluorine plastic insulation and PVC sheathed braiding overall screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable
KX-HSFPVRP	氟塑料绝缘聚氯乙烯护套铜丝编织分屏蔽和总屏蔽精密级多股软导体 K 分度号热电偶用补偿电缆 Fluorine plastic insulation and PVC sheathed braiding individual screen and overall screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable
备注: 1、其它型号补偿电缆 EX、SC、KC、NC、NX、BC、TX、JX, 只需改写型号的第一项, 如 EX-GSVPV 等。 2、阻燃分为成束 A、B、C 类阻燃, 分别表示为 ZA、ZB、ZC, 一般不注明 (ZR) 等级则为 C 类。 Note: 1, the other model thermocouple compensating cable EX, SC, KC, NC, NX, BC, TX, JX, only need to rewrite the model first, such as the EX - GSVPV 2、flame retardant is divided into bundles of A, B, C flame retardant, are expressed as ZA, ZB,ZC, generally does not indicate (ZR) level for the C class。	

## 五、 电缆结构尺寸 Cable structure size

- 1、 2 芯 KX-HSFFP、KX-HSFFP2、KX-HSFFRP、KX-HSFFRP2 补偿电缆      Fluorine plastic insulation precision grade thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	导体种类 Conductor type	绝缘标称 厚度 Thickness of Insulation mm	护套标称 厚度 Thickness of Sheath mm	电缆最大 外径 mm Maximum overall diameter of cable	电缆近似重量 kg/km Approximate the weight of cable
2×0.5	单股结构 single stranded conductor	0.4	0.3	2.6×4.6	39
	多股软结构 multi-strand soft conductor	0.4	0.3	2.8×4.8	41
2×1.0	单股结构 single stranded conductor	0.4	0.3	3.0×5.3	54
	多股软结构 multi-strand soft conductor	0.4	0.3	3.1×5.6	57
2×1.5	单股结构 single stranded conductor	0.4	0.3	3.2×5.8	67
	多股软结构 multi-strand soft conductor	0.4	0.3	3.4×6.2	70
2×2.5	单股结构 single stranded conductor	0.4	0.3	3.6×6.7	92
	多股软结构 multi-strand soft conductor	0.4	0.3	4.0×7.3	97

2、 KX-HSFPF、KX-HSFP2F 型热电偶用补偿电缆      Fluorine plastic insulation precision grade thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPF 型电缆		KX-HSFP2F 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	8.6	103	8.0	90
3×2×0.5	9.2	130	8.5	112
4×2×0.5	10.4	171	9.4	141
5×2×0.5	11.4	206	10.5	177
7×2×0.5	12.5	248	11.5	213
8×2×0.5	14.1	314	13.0	269
10×2×0.5	16.3	374	14.8	311
12×2×0.5	16.9	430	15.4	357
14×2×0.5	17.8	491	16.4	420
19×2×0.5	20.0	625	18.3	532
2×2×1	10.0	146	9.2	124
3×2×1	10.7	187	10.0	166
4×2×1	11.8	234	11.0	207
5×2×1	13.0	285	12.1	252
7×2×1	14.3	347	13.3	307
8×2×1	16.4	450	15.1	387
10×2×1	18.7	522	17.4	462
12×2×1	19.4	603	18.0	532
14×2×1	20.5	692	19.0	609
19×2×1	23.2	903	21.5	796

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPF 型电缆		KX-HSFP2F 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1.5	10.9	179	10.2	161
3×2×1.5	11.7	232	10.9	207
4×2×1.5	12.9	292	12.1	262
5×2×1.5	14.2	356	13.3	319
7×2×1.5	15.8	447	14.6	392
8×2×1.5	17.9	562	16.7	503
10×2×1.5	20.7	670	19.1	587
12×2×1.5	21.4	775	19.8	681
14×2×1.5	22.6	889	20.9	783
19×2×1.5	25.3	1141	23.7	1024
2×2×2.5	12.3	240	11.6	219
3×2×2.5	13.2	314	12.5	287
4×2×2.5	14.6	398	13.8	365
5×2×2.5	16.3	499	15.4	457
7×2×2.5	17.9	617	16.9	566
8×2×2.5	20.5	786	19.2	707
10×2×2.5	23.5	921	22.1	843
12×2×2.5	24.3	1071	22.9	980
14×2×2.5	25.9	1250	24.2	1128
19×2×2.5	29.0	1612	27.4	1477

3、 KX-HSFPFR、KX-HSFP2FR 型热电偶用补偿电缆  
grade thermocouple compensating cable

Fluorine plastic insulation precision

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPFR 型电缆		KX-HSFP2FR 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	9.0	109	8.3	94
3×2×0.5	9.8	144	8.9	118
4×2×0.5	10.8	179	10.0	154
5×2×0.5	11.9	217	11.0	186
7×2×0.5	13.0	259	12.0	222
8×2×0.5	15.0	341	13.6	282
10×2×0.5	17.1	393	15.7	335
12×2×0.5	17.7	450	16.3	384
14×2×0.5	18.6	514	17.2	439
19×2×0.5	21.1	667	19.2	555
2×2×1	10.6	157	10.0	140
3×2×1	11.3	198	10.6	175
4×2×1	12.5	248	11.7	219
5×2×1	13.8	303	12.9	267
7×2×1	15.3	375	14.2	322
8×2×1	17.4	477	16.2	419
10×2×1	19.9	552	18.6	487
12×2×1	20.8	650	19.2	559
14×2×1	21.9	744	20.3	641
19×2×1	24.6	949	23.0	834

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPFR 型电缆		KX-HSFP2FR 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1.5	11.6	192	10.9	172
3×2×1.5	12.4	245	11.7	220
4×2×1.5	13.7	309	12.9	276
5×2×1.5	15.3	387	14.2	337
7×2×1.5	16.8	469	15.8	420
8×2×1.5	19.1	596	17.9	531
10×2×1.5	22.0	705	20.5	617
12×2×1.5	22.8	814	21.5	729
14×2×1.5	24.1	934	22.6	835
19×2×1.5	27.2	1215	25.4	1069
2×2×2.5	13.3	258	12.7	237
3×2×2.5	14.3	335	13.6	306
4×2×2.5	16.0	435	15.0	387
5×2×2.5	17.7	532	16.8	486
7×2×2.5	19.4	650	18.5	594
8×2×2.5	22.3	839	21.0	752
10×2×2.5	25.5	976	24.2	891
12×2×2.5	26.7	1151	25.1	1033
14×2×2.5	28.2	1321	26.5	1186
19×2×2.5	31.6	1697	30.0	1548

4、KX-HSFFP、KX-HSFFP2 热电偶用补偿电缆  
grade thermocouple compensating cable

Fluorine plastic insulation precision

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFFP 型电缆		KX-HSFFP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	8.1	103	7.7	87
3×2×0.5	8.6	123	8.2	106
4×2×0.5	9.4	148	9.0	129
5×2×0.5	10.4	181	9.8	154
7×2×0.5	11.4	212	11.0	190
8×2×0.5	12.7	263	12.3	238
10×2×0.5	14.4	303	14.0	274
12×2×0.5	14.9	341	14.5	312
14×2×0.5	15.9	396	15.3	354
19×2×0.5	17.7	490	17.3	455
2×2×1	9.3	139	8.9	121
3×2×1	10.1	177	9.5	151
4×2×1	11.0	215	10.6	194
5×2×1	12.0	256	11.6	232
7×2×1	13.1	305	12.7	279
8×2×1	14.8	380	14.4	351
10×2×1	17.0	452	16.6	418
12×2×1	17.6	513	17.2	478
14×2×1	18.5	580	18.1	544
19×2×1	20.7	731	20.3	689

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFFP 型电缆		KX-HSFFP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1.5	10.3	177	9.7	150
3×2×1.5	11.0	220	10.6	198
4×2×1.5	12.1	271	11.7	247
5×2×1.5	13.2	324	12.8	298
7×2×1.5	14.4	390	14.0	362
8×2×1.5	16.5	497	15.9	453
10×2×1.5	18.7	576	18.3	539
12×2×1.5	19.4	659	19.0	621
14×2×1.5	20.4	750	20.0	709
19×2×1.5	23.0	966	22.6	921
2×2×2.5	11.7	237	11.3	214
3×2×2.5	12.5	300	12.1	276
4×2×2.5	13.8	375	13.4	347
5×2×2.5	15.1	451	14.7	421
7×2×2.5	16.7	563	16.3	530
8×2×2.5	18.9	697	18.5	660
10×2×2.5	21.7	829	21.1	772
12×2×2.5	22.5	953	22.1	909
14×2×2.5	23.7	1089	23.3	1042
19×2×2.5	26.5	1391	26.1	1338



5、KX-HSFFRP、KX-HSFFRP2 热电偶用补偿电缆  
grade thermocouple compensating cable

Fluorine plastic insulation precision

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFFRP 型电缆		KX-HSFFRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	8.4	107	8.0	91
3×2×0.5	9.0	129	8.6	112
4×2×0.5	10.0	162	9.4	136
5×2×0.5	10.9	190	10.5	169
7×2×0.5	11.9	221	11.5	198
8×2×0.5	13.4	278	13.0	252
10×2×0.5	15.3	327	14.7	287
12×2×0.5	15.9	368	15.3	326
14×2×0.5	16.7	414	16.3	381
19×2×0.5	18.6	512	18.2	475
2×2×1	10.1	156	9.5	130
3×2×1	10.7	188	10.3	167
4×2×1	11.7	228	11.3	205
5×2×1	12.8	271	12.4	246
7×2×1	14.0	321	13.6	293
8×2×1	16.0	414	15.4	372
10×2×1	18.2	477	17.8	441
12×2×1	18.8	539	18.4	502
14×2×1	19.8	610	19.4	571
19×2×1	22.3	780	21.7	720

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFFRP 型电缆		KX-HSFFRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1.5	11.0	189	10.6	168
3×2×1.5	11.7	232	11.3	209
4×2×1.5	12.9	286	12.5	261
5×2×1.5	14.1	342	13.7	314
7×2×1.5	15.5	409	15.1	378
8×2×1.5	17.7	526	17.3	491
10×2×1.5	20.1	606	19.7	566
12×2×1.5	20.8	690	20.4	649
14×2×1.5	22.1	800	21.5	741
19×2×1.5	24.7	1008	24.3	959
2×2×2.5	12.8	258	12.4	232
3×2×2.5	13.6	320	13.2	294
4×2×2.5	15.0	398	14.6	368
5×2×2.5	16.7	492	16.1	447
7×2×2.5	18.3	592	17.9	555
8×2×2.5	20.7	742	20.3	701
10×2×2.5	23.8	877	23.4	830
12×2×2.5	24.7	1004	24.3	955
14×2×2.5	26.0	1145	25.6	1093
19×2×2.5	29.3	1475	28.9	1416

6、KX-HSFPPF、KX-HSFP2FP2 型热电偶用补偿电缆

Fluorine plastic insulation precision

grade thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPPF 型电缆		KX-HSFP2FP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	9.4	141	8.2	102
3×2×0.5	10.0	171	8.7	125
4×2×0.5	11.0	209	9.6	155
5×2×0.5	12.0	248	10.7	193
7×2×0.5	13.1	293	11.7	230
8×2×0.5	14.9	375	13.2	289
10×2×0.5	16.9	433	15.0	334
12×2×0.5	17.5	491	15.6	382
14×2×0.5	18.4	556	16.6	446
19×2×0.5	20.8	712	18.5	561
2×2×1	10.6	183	9.4	139
3×2×1	11.3	226	10.2	181
4×2×1	12.4	277	11.2	224
5×2×1	13.6	332	12.3	270
7×2×1	15.1	410	13.5	328
8×2×1	17.0	510	15.3	411
10×2×1	19.3	590	17.6	489
12×2×1	20.0	674	18.2	560
14×2×1	21.3	781	19.2	640
19×2×1	23.8	988	21.7	830

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPP 型电缆		KX-HSFP2FP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1.5	11.5	219	10.4	177
3×2×1.5	12.3	274	11.1	224
4×2×1.5	13.5	339	12.3	281
5×2×1.5	15.0	418	13.5	340
7×2×1.5	16.4	504	14.8	415
8×2×1.5	18.5	627	16.9	529
10×2×1.5	21.3	745	19.3	618
12×2×1.5	22.0	853	20.0	712
14×2×1.5	23.2	971	21.3	831
19×2×1.5	26.1	1251	23.9	1062
2×2×2.5	12.9	284	12.2	247
3×2×2.5	13.8	362	13.0	316
4×2×2.5	15.2	452	14.4	400
5×2×2.5	16.7	547	16.1	498
7×2×2.5	18.3	669	17.6	612
8×2×2.5	21.1	861	20.0	764
10×2×2.5	24.1	1007	23.1	910
12×2×2.5	25.1	1176	23.9	1051
14×2×2.5	26.5	1344	25.2	1206
19×2×2.5	29.6	1718	28.5	1572

7、KX-HSFPFRP、KX-HSFP2FRP2 型热电偶用补偿电缆

Fluorine plastic insulation

precision grade thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPFRP 型电缆		KX-HSFP2FRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	9.8	149	8.5	107
3×2×0.5	10.4	179	9.1	132
4×2×0.5	11.4	218	10.2	169
5×2×0.5	12.5	260	11.2	203
7×2×0.5	13.6	306	12.2	240
8×2×0.5	15.6	396	13.8	303
10×2×0.5	17.7	455	15.9	360
12×2×0.5	18.3	514	16.5	410
14×2×0.5	19.2	582	17.4	466
19×2×0.5	21.7	744	19.4	586
2×2×1	11.2	195	10.2	155
3×2×1	11.9	239	10.8	192
4×2×1	13.1	294	11.9	237
5×2×1	14.4	353	13.1	287
7×2×1	15.9	431	14.4	344
8×2×1	18.0	541	16.4	444
10×2×1	20.7	639	18.8	516
12×2×1	21.4	726	19.4	590
14×2×1	22.5	824	20.5	673
19×2×1	25.2	1039	23.2	871

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPPFRP 型电缆		KX-HSFP2FRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1.5	12.2	234	11.1	189
3×2×1.5	13.0	290	11.9	238
4×2×1.5	14.3	358	13.1	297
5×2×1.5	15.9	442	14.4	359
7×2×1.5	17.4	530	16.0	445
8×2×1.5	19.7	665	18.1	560
10×2×1.5	22.6	785	20.7	650
12×2×1.5	23.4	897	21.7	764
14×2×1.5	24.7	1022	22.8	871
19×2×1.5	27.8	1314	25.6	1110
2×2×2.5	13.9	306	12.9	257
3×2×2.5	15.1	397	13.8	328
4×2×2.5	16.6	493	15.2	411
5×2×2.5	18.3	597	17.0	512
7×2×2.5	20.0	721	18.7	623
8×2×2.5	22.9	921	21.2	786
10×2×2.5	26.3	1087	24.4	930
12×2×2.5	27.3	1248	25.3	1073
14×2×2.5	28.8	1424	26.7	1229
19×2×2.5	32.4	1835	30.2	1596

8、KX-HSFPG、KX-HSFP2G 型热电偶用补偿电缆  
grade thermocouple compensating cable

Fluorine plastic insulation precision

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPG 型电缆		KX-HSFP2G 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	10.4	128	9.8	113
3×2×0.5	11.0	156	10.3	137
4×2×0.5	12.0	192	11.2	167
5×2×0.5	13.0	229	12.1	198
7×2×0.5	14.3	278	13.1	235
8×2×0.5	15.9	348	14.8	300
10×2×0.5	17.9	401	16.6	346
12×2×0.5	18.5	457	17.2	394
14×2×0.5	19.4	520	18.0	447
19×2×0.5	22.0	675	19.9	562
24×2×0.5	25.6	855	23.7	734
27×2×0.5	26.2	939	24.2	804
30×2×0.5	27.1	1030	25.0	881
37×2×0.5	29.3	1223	27.0	1044
2×2×1	11.6	167	11.0	150
3×2×1	12.3	208	11.6	186
4×2×1	13.4	258	12.6	229
5×2×1	14.8	317	13.7	275
7×2×1	16.1	382	15.1	339
8×2×1	18.0	477	16.9	423
10×2×1	20.3	553	19.0	490
12×2×1	21.4	653	19.6	561
14×2×1	22.5	744	20.6	640
19×2×1	25.0	944	23.3	834
24×2×1	29.2	1200	27.2	1059
27×2×1	29.9	1323	27.8	1166
30×2×1	31.6	1494	28.8	1281
37×2×1	34.1	1778	31.1	1528

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPG 型电缆		KX-HSFP2G 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1.5	12.5	201	11.8	182
3×2×1.5	13.3	255	12.5	229
4×2×1.5	14.7	323	13.7	286
5×2×1.5	16.0	390	15.1	351
7×2×1.5	17.4	473	16.4	427
8×2×1.5	19.5	591	18.3	530
10×2×1.5	22.5	707	20.7	618
12×2×1.5	23.2	813	21.8	731
14×2×1.5	24.4	929	22.9	835
19×2×1.5	27.1	1186	25.5	1066
24×2×1.5	32.4	1550	29.8	1354
27×2×1.5	33.1	1709	30.5	1495
30×2×1.5	34.3	1878	32.2	1687
37×2×1.5	37.5	2275	34.8	2014
2×2×2.5	14.5	280	13.2	242
3×2×2.5	15.4	358	14.3	318
4×2×2.5	16.8	448	15.6	398
5×2×2.5	18.4	545	17.0	482
7×2×2.5	20.0	667	18.5	593
8×2×2.5	22.9	852	21.2	755
10×2×2.5	26.0	996	23.9	882
12×2×2.5	26.9	1152	24.7	1021
14×2×2.5	28.3	1320	26.0	1170
19×2×2.5	32.1	1737	29.0	1505
24×2×2.5	38.1	2243	34.6	1959
27×2×2.5	38.9	2477	35.4	2167
30×2×2.5	40.4	2726	36.7	2386
37×2×2.5	43.7	3265	40.1	2895



9、KX-HSFPGR、KX-HSFP2GR 型热电偶用补偿电缆

Fluorine plastic insulation precision

grade thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPGR 型电缆		KX-HSFP2GR 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重重 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重重 kg/km Approximate the weight of cable
2×2×0.5	10.8	135	10.1	118
3×2×0.5	11.4	164	10.7	143
4×2×0.5	12.4	201	11.6	174
5×2×0.5	13.7	246	12.6	208
7×2×0.5	14.8	291	13.6	245
8×2×0.5	16.6	367	15.4	315
10×2×0.5	18.7	421	17.3	361
12×2×0.5	19.3	479	17.9	411
14×2×0.5	20.6	561	18.8	467
19×2×0.5	22.9	705	21.2	604
24×2×0.5	26.7	895	24.7	765
27×2×0.5	27.3	983	25.3	839
30×2×0.5	28.3	1078	26.2	920
37×2×0.5	31.2	1318	28.2	1089
2×2×1	12.2	178	11.6	160
3×2×1	12.9	220	12.2	197
4×2×1	14.3	279	13.3	242
5×2×1	15.6	336	14.7	298
7×2×1	16.9	401	16.0	356
8×2×1	19.0	506	17.8	446
10×2×1	21.9	602	20.2	517
12×2×1	22.6	688	20.8	590
14×2×1	23.7	783	22.3	692
19×2×1	26.4	993	24.8	875
24×2×1	31.5	1303	29.0	1113
27×2×1	32.2	1432	29.6	1223
30×2×1	33.4	1572	30.7	1344
37×2×1	36.1	1869	33.8	1643

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPGR 型电缆		KX-HSFP2GR 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1.5	13.2	215	12.5	194
3×2×1.5	14.2	275	13.3	243
4×2×1.5	15.5	342	14.7	308
5×2×1.5	16.9	412	16.0	371
7×2×1.5	18.4	497	17.4	447
8×2×1.5	21.1	644	19.5	560
10×2×1.5	23.8	745	22.5	669
12×2×1.5	24.6	855	23.3	768
14×2×1.5	25.9	977	24.4	875
19×2×1.5	28.8	1243	27.2	1114
24×2×1.5	34.5	1629	32.5	1459
27×2×1.5	35.2	1793	33.2	1606
30×2×1.5	36.5	1971	34.4	1764
37×2×1.5	39.9	2385	37.2	2103
2×2×2.5	15.2	293	14.5	268
3×2×2.5	16.2	372	15.4	339
4×2×2.5	17.7	465	16.8	423
5×2×2.5	19.4	565	18.4	513
7×2×2.5	21.6	704	20.1	624
8×2×2.5	24.2	885	23.0	805
10×2×2.5	27.5	1028	26.0	934
12×2×2.5	28.4	1187	26.9	1077
14×2×2.5	29.9	1359	28.3	1233
19×2×2.5	34.0	1784	32.2	1620
24×2×2.5	40.4	2308	38.2	2094
27×2×2.5	41.3	2547	39.0	2309
30×2×2.5	42.8	2802	40.5	2540
37×2×2.5	46.3	3349	43.7	3034

10、 KX-HSFGP、KX-HSFGP2 型热电偶用补偿电缆  
grade thermocouple compensating cable

Fluorine plastic insulation precision

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFGP 型电缆		KX-HSFGP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	9.9	126	9.5	109
3×2×0.5	10.4	147	10.0	129
4×2×0.5	11.2	174	10.8	155
5×2×0.5	12.0	202	11.6	181
7×2×0.5	13.0	235	12.6	212
8×2×0.5	14.3	288	13.9	262
10×2×0.5	16.2	337	15.8	308
12×2×0.5	16.7	377	16.3	346
14×2×0.5	17.5	422	17.1	390
19×2×0.5	19.3	519	18.9	483
24×2×0.5	22.8	672	22.4	630
27×2×0.5	23.2	728	22.8	685
30×2×0.5	24.0	792	23.6	747
37×2×0.5	25.8	926	25.4	878
2×2×1	11.1	165	10.7	146
3×2×1	11.7	198	11.3	178
4×2×1	12.6	237	12.2	215
5×2×1	13.6	280	13.2	255
7×2×1	14.9	337	14.3	304
8×2×1	16.6	416	16.2	385
10×2×1	18.6	480	18.2	445
12×2×1	19.2	542	18.8	506
14×2×1	20.1	610	19.7	573
19×2×1	22.7	783	21.9	722
24×2×1	26.3	985	25.9	936
27×2×1	26.9	1077	26.5	1026
30×2×1	27.8	1175	27.4	1123
37×2×1	30.0	1388	29.6	1331

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFGP 型电缆		KX-HSFGP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1.5	11.9	198	11.5	177
3×2×1.5	12.6	242	12.2	220
4×2×1.5	13.7	295	13.3	271
5×2×1.5	15.0	356	14.4	323
7×2×1.5	16.2	425	15.8	395
8×2×1.5	18.1	524	17.7	491
10×2×1.5	20.3	607	19.9	569
12×2×1.5	21.0	690	20.6	651
14×2×1.5	22.4	801	21.6	741
19×2×1.5	24.8	1007	24.4	961
24×2×1.5	28.9	1272	28.5	1217
27×2×1.5	29.5	1395	29.1	1339
30×2×1.5	30.6	1528	30.2	1470
37×2×1.5	33.6	1856	32.6	1751
2×2×2.5	13.3	261	12.9	237
3×2×2.5	14.1	325	13.7	299
4×2×2.5	15.6	408	15.2	380
5×2×2.5	16.9	487	16.5	456
7×2×2.5	18.3	590	17.9	557
8×2×2.5	20.5	728	20.1	689
10×2×2.5	23.5	868	23.1	825
12×2×2.5	24.3	994	23.9	948
14×2×2.5	25.5	1131	25.1	1083
19×2×2.5	28.3	1437	27.9	1383
24×2×2.5	33.7	1862	33.3	1798
27×2×2.5	34.5	2048	34.1	1983
30×2×2.5	35.7	2247	35.3	2179
37×2×2.5	38.9	2710	38.1	2603

## 11、KX-HSFGRP、KX-HSFGRP2 型热电偶用补偿电缆

Fluorine plastic insulation precision

grade thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFGRP 型电缆		KX-HSFGRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	10.2	131	9.8	114
3×2×0.5	10.8	154	10.4	136
4×2×0.5	11.6	182	11.2	162
5×2×0.5	12.5	212	12.1	190
7×2×0.5	13.5	245	13.1	221
8×2×0.5	15.2	311	14.8	283
10×2×0.5	16.9	353	16.5	322
12×2×0.5	17.5	395	17.1	363
14×2×0.5	18.3	441	17.9	407
19×2×0.5	20.2	542	19.8	504
24×2×0.5	23.8	701	23.4	656
27×2×0.5	24.3	761	23.9	715
30×2×0.5	25.2	827	24.8	780
37×2×0.5	27.1	967	26.7	916
2×2×1	11.7	177	11.3	156
3×2×1	12.3	209	11.9	188
4×2×1	13.3	251	12.9	228
5×2×1	14.4	297	14.0	271
7×2×1	15.8	354	15.4	326
8×2×1	17.6	440	17.2	408
10×2×1	19.8	506	19.4	470
12×2×1	20.4	570	20.0	532
14×2×1	21.4	642	21.0	602
19×2×1	24.1	820	23.7	775
24×2×1	28.1	1035	27.7	982
27×2×1	28.7	1129	28.3	1075
30×2×1	29.7	1233	29.3	1176
37×2×1	32.0	1452	31.6	1391

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFGRP 型电缆		KX-HSFGRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1.5	12.6	211	12.2	189
3×2×1.5	13.3	255	12.9	232
4×2×1.5	14.7	318	14.1	285
5×2×1.5	15.9	376	15.5	347
7×2×1.5	17.3	445	16.9	414
8×2×1.5	19.3	554	18.9	519
10×2×1.5	22.1	657	21.3	598
12×2×1.5	22.8	743	22.0	681
14×2×1.5	23.9	840	23.5	795
19×2×1.5	26.5	1052	26.1	1002
24×2×1.5	31.0	1331	30.6	1272
27×2×1.5	31.6	1457	31.2	1397
30×2×1.5	33.4	1638	32.4	1533
37×2×1.5	36.0	1935	35.6	1867
2×2×2.5	14.4	283	14.0	257
3×2×2.5	15.4	353	15.0	325
4×2×2.5	16.8	434	16.4	403
5×2×2.5	18.3	519	17.9	485
7×2×2.5	19.9	621	19.5	584
8×2×2.5	22.7	794	21.9	733
10×2×2.5	25.6	919	25.2	871
12×2×2.5	26.5	1048	26.1	998
14×2×2.5	27.8	1190	27.4	1138
19×2×2.5	30.9	1505	30.5	1446
24×2×2.5	36.9	1958	36.5	1887
27×2×2.5	37.7	2148	37.3	2076
30×2×2.5	39.5	2389	38.7	2281
37×2×2.5	42.6	2834	42.2	2753

12、 KX-HSFPGP、 KX-HSFP2GP2 型热电偶用补偿电缆

Fluorine plastic insulation

precision grade thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPGP 型电缆		KX-HSFP2GP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	11.0	160	10.0	125
3×2×0.5	11.6	191	10.5	150
4×2×0.5	12.6	231	11.4	182
5×2×0.5	13.8	277	12.3	215
7×2×0.5	14.9	325	13.3	254
8×2×0.5	16.5	400	15.0	321
10×2×0.5	18.5	461	16.8	370
12×2×0.5	19.1	519	17.4	419
14×2×0.5	20.4	603	18.2	473
19×2×0.5	22.6	749	20.1	591
24×2×0.5	26.2	943	23.9	769
27×2×0.5	26.8	1029	24.4	840
30×2×0.5	27.7	1124	25.2	918
37×2×0.5	30.5	1363	27.2	1085
2×2×1	12.2	204	11.2	165
3×2×1	12.9	248	11.8	202
4×2×1	14.2	308	12.8	246
5×2×1	15.4	365	13.9	295
7×2×1	16.7	435	15.3	360
8×2×1	18.6	538	17.1	447
10×2×1	21.3	639	19.2	518
12×2×1	22.0	725	19.8	590
14×2×1	23.1	820	20.8	670
19×2×1	25.6	1030	23.5	869
24×2×1	29.8	1300	27.4	1100
27×2×1	31.1	1465	28.0	1208
30×2×1	32.2	1602	29.0	1324
37×2×1	34.7	1896	31.3	1575

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPGP 型电缆		KX-HSF2GP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1.5	13.1	242	12.0	198
3×2×1.5	14.1	304	12.7	246
4×2×1.5	15.3	372	13.9	305
5×2×1.5	16.6	443	15.3	373
7×2×1.5	18.0	531	16.6	450
8×2×1.5	20.5	675	18.5	557
10×2×1.5	23.1	783	20.9	649
12×2×1.5	23.8	892	22.0	763
14×2×1.5	25.0	1012	23.1	869
19×2×1.5	27.7	1279	25.7	1104
24×2×1.5	33.0	1661	30.0	1399
27×2×1.5	33.7	1823	30.7	1542
30×2×1.5	34.9	1997	32.4	1735
37×2×1.5	38.1	2404	35.0	2067
2×2×2.5	15.1	328	13.4	260
3×2×2.5	16.0	409	14.5	338
4×2×2.5	17.4	504	15.8	420
5×2×2.5	19.0	607	17.2	507
7×2×2.5	21.0	752	18.7	620
8×2×2.5	23.5	930	21.4	786
10×2×2.5	26.6	1086	24.1	918
12×2×2.5	27.5	1244	24.9	1058
14×2×2.5	28.9	1418	26.2	1209
19×2×2.5	32.7	1847	29.2	1549
24×2×2.5	38.7	2375	34.8	2011
27×2×2.5	39.5	2611	35.6	2220
30×2×2.5	41.0	2866	36.9	2442
37×2×2.5	44.3	3417	40.3	2956



## 13、 KX-HSFPGRP、KX-HSFP2GRP2 型热电偶用补偿电缆

Fluorine plastic insulation

precision grade thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPGRP 型电缆		KX-HSFP2GRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	11.4	169	10.3	131
3×2×0.5	12.0	200	10.9	157
4×2×0.5	13.0	241	11.8	190
5×2×0.5	14.3	291	12.8	225
7×2×0.5	15.4	339	13.8	264
8×2×0.5	17.2	422	15.6	336
10×2×0.5	19.3	484	17.5	386
12×2×0.5	20.3	561	18.1	437
14×2×0.5	21.2	630	19.0	494
19×2×0.5	23.5	783	21.4	635
24×2×0.5	27.3	987	24.9	802
27×2×0.5	27.9	1076	25.5	877
30×2×0.5	28.9	1175	26.4	959
37×2×0.5	31.8	1425	28.4	1131
2×2×1	12.8	217	11.8	176
3×2×1	13.5	262	12.4	213
4×2×1	14.9	326	13.5	261
5×2×1	16.2	387	14.9	319
7×2×1	17.5	457	16.2	379
8×2×1	19.6	570	18.0	471
10×2×1	22.5	676	20.4	546
12×2×1	23.2	764	21.0	621
14×2×1	24.3	864	22.5	725
19×2×1	27.0	1083	25.0	912
24×2×1	32.1	1411	29.2	1157
27×2×1	32.8	1542	29.8	1268
30×2×1	34.0	1687	30.9	1391
37×2×1	37.1	2025	34.0	1695

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPGRP 型电缆		KX-HSFP2GRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1.5	14.0	264	12.7	211
3×2×1.5	14.8	322	13.5	262
4×2×1.5	16.1	393	14.9	328
5×2×1.5	17.5	468	16.2	393
7×2×1.5	19.0	558	17.6	472
8×2×1.5	21.7	715	19.7	589
10×2×1.5	24.4	826	22.7	702
12×2×1.5	25.2	939	23.5	802
14×2×1.5	26.5	1065	24.6	912
19×2×1.5	29.4	1343	27.4	1155
24×2×1.5	35.1	1748	32.7	1508
27×2×1.5	35.8	1915	33.4	1657
30×2×1.5	37.5	2130	34.6	1817
37×2×1.5	40.5	2523	37.4	2160
2×2×2.5	15.7	340	14.7	288
3×2×2.5	16.7	423	15.6	361
4×2×2.5	18.2	520	17.0	447
5×2×2.5	19.9	626	18.6	540
7×2×2.5	22.0	771	20.3	654
8×2×2.5	24.7	961	23.2	839
10×2×2.5	27.9	1114	26.2	973
12×2×2.5	28.9	1276	27.1	1118
14×2×2.5	31.0	1493	28.5	1276
19×2×2.5	34.4	1889	32.4	1668
24×2×2.5	40.7	2430	38.4	2153
27×2×2.5	41.6	2671	39.2	2369
30×2×2.5	43.2	2931	40.7	2602
37×2×2.5	46.6	3487	43.9	3102

14、KX-HSFPV、KX-HSFP2V 型热电偶用补偿电缆

Fluorine plastic insulation precision

grade thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPV 型电缆		KX-HSFP2V 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	10.0	121	9.4	107
3×2×0.5	10.6	150	9.9	130
4×2×0.5	11.6	185	10.8	160
5×2×0.5	12.6	221	11.7	191
7×2×0.5	14.3	283	12.7	228
8×2×0.5	15.9	352	14.8	305
10×2×0.5	17.9	406	16.6	351
12×2×0.5	18.5	463	17.2	399
14×2×0.5	19.4	526	18.0	452
19×2×0.5	22.0	683	19.9	568
24×2×0.5	25.6	864	23.7	742
27×2×0.5	26.2	949	24.2	813
30×2×0.5	27.1	1040	25.0	890
37×2×0.5	29.3	1234	27.0	1054
2×2×1	11.2	160	10.6	144
3×2×1	11.9	201	11.2	179
4×2×1	13.0	250	12.2	222
5×2×1	14.8	321	13.3	267
7×2×1	16.1	386	15.1	343
8×2×1	18.0	483	16.9	428
10×2×1	20.3	559	19.0	496
12×2×1	21.4	660	19.6	567
14×2×1	22.5	752	20.6	646
19×2×1	25.0	953	23.3	842
24×2×1	29.2	1210	27.2	1069
27×2×1	29.9	1333	27.8	1176
30×2×1	31.6	1507	28.8	1291
37×2×1	34.1	1793	31.1	1539

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPV 型电缆		KX-HSFP2V 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1.5	12.1	194	11.4	175
3×2×1.5	12.9	247	12.1	221
4×2×1.5	14.7	328	13.3	278
5×2×1.5	16.0	395	15.1	356
7×2×1.5	17.4	479	16.4	432
8×2×1.5	19.5	598	18.3	536
10×2×1.5	22.5	715	20.7	625
12×2×1.5	23.2	822	21.8	738
14×2×1.5	24.4	938	22.9	843
19×2×1.5	27.1	1195	25.5	1075
24×2×1.5	32.4	1563	29.8	1365
27×2×1.5	33.1	1723	30.5	1506
30×2×1.5	34.3	1893	32.2	1700
37×2×1.5	37.5	2292	34.8	2028
2×2×2.5	14.1	274	12.8	234
3×2×2.5	15.0	350	14.3	322
4×2×2.5	16.4	438	15.6	403
5×2×2.5	17.9	531	17.0	487
7×2×2.5	19.5	652	18.5	599
8×2×2.5	22.3	831	21.2	763
10×2×2.5	25.3	972	23.9	891
12×2×2.5	26.1	1123	24.7	1030
14×2×2.5	27.5	1287	26.0	1180
19×2×2.5	31.2	1694	29.0	1516
24×2×2.5	37.0	2186	34.6	1973
27×2×2.5	37.8	2414	35.4	2182
30×2×2.5	39.2	2656	36.7	2401
37×2×2.5	42.4	3179	40.1	2913

15、KX-HSFPVR、KX-HSFP2VR 型热电偶用补偿电缆  
grade thermocouple compensating cable

Fluorine plastic insulation precision

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPVR 型电缆		KX-HSFP2VR 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	10.4	128	9.7	112
3×2×0.5	11.0	157	10.3	137
4×2×0.5	12.0	193	11.2	167
5×2×0.5	13.7	250	12.2	201
7×2×0.5	14.8	295	13.2	237
8×2×0.5	16.6	372	15.4	319
10×2×0.5	18.7	426	17.3	367
12×2×0.5	19.3	485	17.9	417
14×2×0.5	20.6	568	18.8	473
19×2×0.5	22.9	714	21.2	612
24×2×0.5	26.7	905	24.7	774
27×2×0.5	27.3	992	25.3	849
30×2×0.5	28.3	1088	26.2	929
37×2×0.5	31.2	1331	28.2	1099
2×2×1	11.8	171	11.2	153
3×2×1	12.5	213	11.8	189
4×2×1	14.3	283	12.9	235
5×2×1	15.6	341	14.7	302
7×2×1	16.9	406	16.0	361
8×2×1	19.0	512	17.8	451
10×2×1	21.9	610	20.2	523
12×2×1	22.6	696	20.8	597
14×2×1	23.7	792	22.3	700
19×2×1	26.4	1002	24.8	884
24×2×1	31.5	1316	29.0	1123
27×2×1	32.2	1445	29.6	1234
30×2×1	33.4	1586	30.7	1355
37×2×1	36.1	1884	33.8	1658

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPVR 型电缆		KX-HSFP2VR 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1.5	12.8	207	12.1	186
3×2×1.5	14.2	280	12.9	235
4×2×1.5	15.5	346	14.7	312
5×2×1.5	16.9	417	16.0	376
7×2×1.5	18.4	502	17.4	452
8×2×1.5	21.1	652	19.5	566
10×2×1.5	23.8	753	22.5	677
12×2×1.5	24.6	864	23.3	776
14×2×1.5	25.9	986	24.4	884
19×2×1.5	28.8	1254	27.2	1124
24×2×1.5	34.5	1643	32.5	1473
27×2×1.5	35.2	1808	33.2	1620
30×2×1.5	36.5	1987	34.4	1779
37×2×1.5	39.9	2404	37.2	2119
2×2×2.5	15.1	295	14.5	272
3×2×2.5	16.1	374	15.4	344
4×2×2.5	17.6	467	16.8	428
5×2×2.5	19.3	567	18.4	519
7×2×2.5	21.4	707	20.1	630
8×2×2.5	24.1	888	23.0	813
10×2×2.5	27.3	1030	26.0	943
12×2×2.5	28.3	1189	26.9	1087
14×2×2.5	29.8	1361	28.3	1243
19×2×2.5	33.8	1787	32.2	1633
24×2×2.5	40.1	2310	38.2	2112
27×2×2.5	41.0	2548	39.0	2328
30×2×2.5	42.6	2803	40.5	2559
37×2×2.5	46.0	3348	43.7	3055

16、KX-HSFVP、KX-HSFVP2 型热电偶用补偿电缆  
grade thermocouple compensating cable

Fluorine plastic insulation precision

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFVP 型电缆		KX-HSFVP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	9.5	120	9.1	103
3×2×0.5	10.0	141	9.6	123
4×2×0.5	10.8	167	10.4	148
5×2×0.5	11.6	195	11.2	174
7×2×0.5	12.6	227	12.2	204
8×2×0.5	13.9	279	13.5	254
10×2×0.5	16.2	342	15.8	313
12×2×0.5	16.7	382	16.3	351
14×2×0.5	17.5	427	17.1	395
19×2×0.5	19.3	525	18.9	489
24×2×0.5	22.8	680	22.4	637
27×2×0.5	23.2	736	22.8	693
30×2×0.5	24.0	801	23.6	756
37×2×0.5	25.8	936	25.4	887
2×2×1	10.7	159	10.3	140
3×2×1	11.3	191	10.9	171
4×2×1	12.2	230	11.8	208
5×2×1	13.2	272	12.8	247
7×2×1	14.9	341	13.9	296
8×2×1	16.6	421	16.2	390
10×2×1	18.6	485	18.2	451
12×2×1	19.2	548	18.8	512
14×2×1	20.1	616	19.7	579
19×2×1	22.7	791	21.9	729
24×2×1	26.3	995	25.9	945
27×2×1	26.9	1086	26.5	1036
30×2×1	27.8	1185	27.4	1132
37×2×1	30.0	1399	29.6	1342

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFVP 型电缆		KX-HSFVP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1.5	11.5	191	11.1	170
3×2×1.5	12.2	234	11.8	212
4×2×1.5	13.3	287	12.9	263
5×2×1.5	15.0	360	14.0	314
7×2×1.5	16.2	430	15.8	400
8×2×1.5	18.1	530	17.7	496
10×2×1.5	20.3	613	19.9	575
12×2×1.5	21.0	697	20.6	658
14×2×1.5	22.4	809	21.6	748
19×2×1.5	24.8	1016	24.4	970
24×2×1.5	28.9	1282	28.5	1227
27×2×1.5	29.5	1405	29.1	1349
30×2×1.5	30.6	1540	30.2	1481
37×2×1.5	33.6	1870	32.6	1762
2×2×2.5	12.9	253	12.5	229
3×2×2.5	13.7	316	13.3	291
4×2×2.5	15.6	413	15.2	384
5×2×2.5	16.9	492	16.5	461
7×2×2.5	18.3	596	17.9	562
8×2×2.5	20.5	734	20.1	696
10×2×2.5	23.5	877	23.1	833
12×2×2.5	24.3	1002	23.9	957
14×2×2.5	25.5	1140	25.1	1092
19×2×2.5	28.3	1447	27.9	1393
24×2×2.5	33.7	1876	33.3	1812
27×2×2.5	34.5	2063	34.1	1997
30×2×2.5	35.7	2262	35.3	2194
37×2×2.5	38.9	2728	38.1	2619



## 17、KX-HSFVRP、KX-HSFVRP2 型热电偶用补偿电缆

Fluorine plastic insulation precision

grade thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFVRP 型电缆		KX-HSFVRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	9.8	125	9.4	108
3×2×0.5	10.4	148	10.0	130
4×2×0.5	11.2	175	10.8	155
5×2×0.5	12.1	205	11.7	183
7×2×0.5	13.1	237	12.7	213
8×2×0.5	15.2	315	14.8	288
10×2×0.5	16.9	358	16.5	327
12×2×0.5	17.5	400	17.1	368
14×2×0.5	18.3	447	17.9	413
19×2×0.5	20.2	548	19.8	511
24×2×0.5	23.8	709	23.4	665
27×2×0.5	24.3	769	23.9	724
30×2×0.5	25.2	836	24.8	789
37×2×0.5	27.1	977	26.7	925
2×2×1	11.3	170	10.9	149
3×2×1	11.9	202	11.5	181
4×2×1	12.9	243	12.5	220
5×2×1	14.0	288	13.6	262
7×2×1	15.8	359	15.4	330
8×2×1	17.6	446	17.2	413
10×2×1	19.8	512	19.4	476
12×2×1	20.4	576	20.0	538
14×2×1	21.4	649	21.0	609
19×2×1	24.1	828	23.7	783
24×2×1	28.1	1046	27.7	992
27×2×1	28.7	1140	28.3	1085
30×2×1	29.7	1243	29.3	1187
37×2×1	32.0	1464	31.6	1403

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFVRP 型电缆		KX-HSFVRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1.5	12.2	204	11.8	182
3×2×1.5	12.9	248	12.5	224
4×2×1.5	14.7	322	13.7	277
5×2×1.5	15.9	381	15.5	352
7×2×1.5	17.3	451	16.9	419
8×2×1.5	19.3	560	18.9	525
10×2×1.5	22.1	665	21.3	604
12×2×1.5	22.8	751	22.0	688
14×2×1.5	23.9	848	23.5	804
19×2×1.5	26.5	1061	26.1	1011
24×2×1.5	31.0	1342	30.6	1283
27×2×1.5	31.6	1468	31.2	1408
30×2×1.5	33.4	1652	32.4	1545
37×2×1.5	36.0	1951	35.6	1882
2×2×2.5	14.0	274	13.6	248
3×2×2.5	15.4	358	15.0	330
4×2×2.5	16.8	439	16.4	408
5×2×2.5	18.3	525	17.9	491
7×2×2.5	19.9	628	19.5	591
8×2×2.5	22.7	802	21.9	740
10×2×2.5	25.6	929	25.2	880
12×2×2.5	26.5	1057	26.1	1007
14×2×2.5	27.8	1200	27.4	1148
19×2×2.5	30.9	1516	30.5	1457
24×2×2.5	36.9	1973	36.5	1903
27×2×2.5	37.7	2164	37.3	2092
30×2×2.5	39.5	2407	38.7	2297
37×2×2.5	42.6	2854	42.2	2772

## 18、KX-HSFPVP、KX-HSFP2VP2 型热电偶用补偿电缆

Fluorine plastic insulation

precision grade thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPVP 型电缆		KX-HSFP2VP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	10.6	154	9.6	119
3×2×0.5	11.2	184	10.1	144
4×2×0.5	12.2	223	11.0	175
5×2×0.5	13.8	281	11.9	207
7×2×0.5	14.9	330	12.9	246
8×2×0.5	16.5	405	15.0	326
10×2×0.5	18.5	467	16.8	375
12×2×0.5	19.1	525	17.4	424
14×2×0.5	20.4	610	18.2	479
19×2×0.5	22.6	757	20.1	598
24×2×0.5	26.2	952	23.9	777
27×2×0.5	26.8	1039	24.4	849
30×2×0.5	27.7	1134	25.2	927
37×2×0.5	30.5	1376	27.2	1095
2×2×1	11.8	197	10.8	158
3×2×1	12.5	240	11.4	195
4×2×1	14.2	312	12.4	239
5×2×1	15.4	370	13.5	286
7×2×1	16.7	440	15.3	365
8×2×1	18.6	543	17.1	453
10×2×1	21.3	647	19.2	524
12×2×1	22.0	732	19.8	596
14×2×1	23.1	828	20.8	677
19×2×1	25.6	1039	23.5	877
24×2×1	29.8	1311	27.4	1110
27×2×1	31.1	1478	28.0	1218
30×2×1	32.2	1616	29.0	1335
37×2×1	34.7	1910	31.3	1586

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPVP 型电缆		KX-HSFP2VP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1.5	12.7	234	11.6	190
3×2×1.5	14.1	309	12.3	238
4×2×1.5	15.3	376	13.5	297
5×2×1.5	16.6	448	15.3	377
7×2×1.5	18.0	537	16.6	455
8×2×1.5	20.5	682	18.5	562
10×2×1.5	23.1	792	20.9	655
12×2×1.5	23.8	900	22.0	770
14×2×1.5	25.0	1021	23.1	877
19×2×1.5	27.7	1289	25.7	1113
24×2×1.5	33.0	1675	30.0	1410
27×2×1.5	33.7	1837	30.7	1553
30×2×1.5	34.9	2012	32.4	1749
37×2×1.5	38.1	2422	35.0	2081
2×2×2.5	14.7	320	13.0	252
3×2×2.5	15.6	400	14.5	342
4×2×2.5	17.0	493	15.8	425
5×2×2.5	18.5	592	17.2	512
7×2×2.5	20.5	736	18.7	626
8×2×2.5	22.9	907	21.4	794
10×2×2.5	25.9	1059	24.1	926
12×2×2.5	26.7	1213	24.9	1067
14×2×2.5	28.1	1382	26.2	1219
19×2×2.5	31.8	1801	29.2	1560
24×2×2.5	37.6	2314	34.8	2026
27×2×2.5	38.4	2544	35.6	2236
30×2×2.5	39.8	2792	36.9	2457
37×2×2.5	43.0	3327	40.3	2975

19、KX-HSFPVRP、KX-HSFP2VRP2 型热电偶用补偿电缆

Fluorine plastic insulation

precision grade thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPVRP 型电缆		KX-HSFP2VRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	11.0	162	9.9	125
3×2×0.5	11.6	193	10.5	151
4×2×0.5	12.6	233	11.4	183
5×2×0.5	14.3	295	12.4	218
7×2×0.5	15.4	344	13.4	256
8×2×0.5	17.2	427	15.6	341
10×2×0.5	19.3	490	17.5	392
12×2×0.5	20.3	568	18.1	443
14×2×0.5	21.2	638	19.0	500
19×2×0.5	23.5	791	21.4	643
24×2×0.5	27.3	997	24.9	811
27×2×0.5	27.9	1086	25.5	886
30×2×0.5	28.9	1186	26.4	968
37×2×0.5	31.8	1439	28.4	1142
2×2×1	12.4	210	11.4	169
3×2×1	13.1	254	12.0	206
4×2×1	14.9	330	13.1	253
5×2×1	16.2	392	14.9	323
7×2×1	17.5	462	16.2	384
8×2×1	19.6	576	18.0	477
10×2×1	22.5	684	20.4	553
12×2×1	23.2	772	21.0	627
14×2×1	24.3	872	22.5	732
19×2×1	27.0	1093	25.0	921
24×2×1	32.1	1424	29.2	1167
27×2×1	32.8	1556	29.8	1279
30×2×1	34.0	1701	30.9	1402
37×2×1	37.1	2042	34.0	1709

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-HSFPVRP 型电缆		KX-HSFP2VRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1.5	14.0	268	12.3	203
3×2×1.5	14.8	326	13.1	254
4×2×1.5	16.1	398	14.9	333
5×2×1.5	17.5	474	16.2	398
7×2×1.5	19.0	564	17.6	477
8×2×1.5	21.7	723	19.7	595
10×2×1.5	24.4	834	22.7	710
12×2×1.5	25.2	948	23.5	811
14×2×1.5	26.5	1075	24.6	920
19×2×1.5	29.4	1353	27.4	1165
24×2×1.5	35.1	1763	32.7	1522
27×2×1.5	35.8	1930	33.4	1671
30×2×1.5	37.5	2147	34.6	1831
37×2×1.5	40.5	2542	37.4	2176
2×2×2.5	15.7	345	14.7	293
3×2×2.5	16.7	428	15.6	366
4×2×2.5	18.2	526	17.0	452
5×2×2.5	19.9	633	18.6	546
7×2×2.5	22.0	779	20.3	660
8×2×2.5	24.7	970	23.2	847
10×2×2.5	27.9	1124	26.2	982
12×2×2.5	28.9	1287	27.1	1127
14×2×2.5	31.0	1506	28.5	1286
19×2×2.5	34.4	1903	32.4	1682
24×2×2.5	40.7	2449	38.4	2170
27×2×2.5	41.6	2691	39.2	2387
30×2×2.5	43.2	2952	40.7	2621
37×2×2.5	46.6	3509	43.9	3122

## 交联聚乙烯绝缘热电偶用补偿电缆

### The third chapter: XLPE insulated thermocouple compensation cable

#### 一、 产品标准 Standard

本产品根据 GB/T 4989-2013 《热电偶用补偿导线》和 JB/T 7495-1994 《热电偶用补偿电缆》标准设计、生产和检测。同时还可根据客户的特殊要求进行设计、生产和检测。

This product according to GB/T 4989-2013 《the thermocouple with compensation lead》 and JB/T 7495-1994 the thermocouple with compensation cable》 design, manufacture and testing. At the same time also can according to the special requirements of customers design, production and testing.

#### 二、 适用范围 Applications

本产品适用于电力、冶金、石油、化工、轻纺等工业及国防、科研部门自动化测温仪表的单点或多点连接的热电偶用补偿电缆。

The product is suitable for use in electric power, metallurgy, petroleum, chemical industry, textile industry and national defense, scientific research departments automatic temperature measuring meter of single point or multi-point thermocouple with compensation cable connection.

#### 三、 使用特性 Operating characteristics

1、 电缆工作温度：交联聚乙烯绝缘热电偶用补偿电缆长期允许工作温度为 90℃。

Cable working temperature: XLPE insulated thermocouple compensation cable conductor long allowed working temperature 90℃。

2、 电缆的敷设温度：电缆的敷设温度应不低于 0℃。

The ambient temperature under installation should not below 0℃。

3、 热电偶用补偿电缆允许弯曲半径：

——有铜带屏蔽结构的补偿电缆，应不小于电缆外径的 16 倍；

——其他结构的补偿电缆，应不小于电缆外径的 10 倍。

Thermocouple compensation cable allows bending radius:

——the structure of the copper tape screened compensation cable, should not be less than 16 times of cable diameter;

——other compensation cable structure, should be not less than 10 times of cable diameter.

#### 四、 产品型号及名称 Type of cable

表 1 产品型号及名称

Table 1 Type of cable

型号 Type	名称 Designation
KX-GSYJV	交联聚乙烯绝缘聚氯乙烯护套精密级单股导体 K 分度号热电偶用补偿电缆 XLPE insulated PVC sheathed precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-GSYJVP	交联聚乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽精密级单股导体 K 分度号热电偶用补偿电缆 XLPE insulated PVC sheathed braiding individual screen precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-GSYJVP	交联聚乙烯绝缘聚氯乙烯护套铜丝编织总屏蔽精密级单股导体 K 分度号热电偶用补偿电缆 XLPE insulated PVC sheathed braiding overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-GSYJPVP	交联聚乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽和总屏蔽精密级单股导体 K 分度号热电偶用补偿电缆 XLPE insulated PVC sheathed braiding individual screen and overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-GSYJP2V	交联聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽精密级单股导体 K 分度号热电偶用补偿电缆 XLPE insulated PVC sheathed copper tape individual screen precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-GSYJVP2	交联聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包总屏蔽精密级单股导体 K 分度号热电偶用补偿电缆 XLPE insulated PVC sheathed copper tape overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-GSYJP2VP2	交联聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽和总屏蔽精密级单股导体 K 分度号热电偶用补偿电缆 XLPE insulated PVC sheathed copper tape individual screen and overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-GSYJP3V	交联聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽精密级单股导体 K 分度号热电偶用补偿电缆 XLPE insulated PVC sheathed aluminum-plastic composite tape individual screen precision grade single stranded conductor number K dividing thermocouple compensating cable



续上表:

型号 Type	名称 Designation
KX-GSYJVP3	<p>交联聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包总屏蔽精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed aluminum-plastic composite tape overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-GSYJP3VP3	<p>交联聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽和总屏蔽精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed aluminum-plastic composite tape individual screen and overall screen precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-GSYJVP22	<p>交联聚乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽钢带铠装精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed braiding individual screen steel tape armoured precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-GSYJVP22	<p>交联聚乙烯绝缘聚氯乙烯护套铜丝编织总屏蔽钢带铠装精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed braiding overall screen steel tape armoured precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-GSYJPVP22	<p>交联聚乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽和总屏蔽钢带铠装精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed braiding individual screen and overall screen steel tape armoured precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-GSYJP2V22	<p>交联聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽钢带铠装精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed copper tape individual screen steel tape armoured precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-GSYJVP2-22	<p>交联聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包总屏蔽钢带铠装精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed copper tape overall screen steel tape armoured precision grade single stranded conductor number K dividing thermocouple compensating cable</p>
KX-GSYJP2VP2-22	<p>交联聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽和总屏蔽钢带铠装精密级单股导体 K 分度号热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed copper tape individual screen and overall screen steel tape armoured precision grade single stranded conductor number K dividing thermocouple compensating cable</p>

续上表:

型号 Type	名称 Designation
KX-GSYJP3V22	交联聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽钢带铠装精密级单股导体 K 分度号热电偶用补偿电缆 XLPE insulated PVC sheathed aluminum-plastic composite tape individual screen steel tape armoured precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-GSYJVP3-22	交联聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包总屏蔽钢带铠装精密级单股导体 K 分度号热电偶用补偿电缆 XLPE insulated PVC sheathed aluminum-plastic composite tape overall screen steel tape armoured precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-GSYJP3VP3-22	交联聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽和总屏蔽钢带铠装精密级单股导体 K 分度号热电偶用补偿电缆 XLPE insulated PVC sheathed aluminum-plastic composite tape individual screen and overall screen steel tape armoured precision grade single stranded conductor number K dividing thermocouple compensating cable
KX-GSYJVR	交联聚乙烯绝缘聚氯乙烯护套精密级多股软导体 K 分度号热电偶用补偿电缆 XLPE insulated PVC sheathed precision grade multi-strand soft conductor number K dividing thermocouple compensating cable
KX-GSYJPVR	交联聚乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽精密级多股软导体 K 分度号热电偶用补偿电缆 XLPE insulated PVC sheathed braiding individual screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable
KX-GSYJVRP	交联聚乙烯绝缘聚氯乙烯护套铜丝编织总屏蔽精密级多股软导体 K 分度号热电偶用补偿电缆 XLPE insulated PVC sheathed braiding overall screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable
KX-GSYJPVRP	交联聚乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽和总屏蔽精密级多股软导体 K 分度号热电偶用补偿电缆 XLPE insulated PVC sheathed braiding individual screen and overall screen precision grade multi-strand soft conductor number K dividing thermocouple compensating cable
<p>备注: 1、其它型号补偿电缆 EX、SC、KC、NC、NX、BC、TX、JX, 只需改写型号的第一项, 如 EX-GSVPV 等。2、阻燃分为成束 A、B、C 类阻燃, 分别表示为 ZA、ZB、ZC, 一般不注明 (ZR) 等级则为 C 类。</p> <p>Note: 1, the other model thermocouple compensating cable EX, SC, KC, NC, NX, BC, TX, JX, only need to rewrite the model first, such as the EX - GSVPV</p> <p>2、flame retardant is divided into bundles of A, B, C flame retardant, are expressed as ZA, ZB,ZC, generally does not indicate (ZR) level for the C class.</p>	

## 五、 电缆结构尺寸 Cable structure size

### 1、 KX-GSYJPV、KX-GSYJP2V 型热电偶用补偿电缆 XLPE insulation precision grade thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSYJPV 型电缆		KX-GSYJP2V 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	10.8	126	10.1	108
3×2×0.5	11.4	151	10.7	130
4×2×0.5	12.5	185	11.7	158
5×2×0.5	14.2	239	12.7	187
7×2×0.5	15.4	275	14.4	234
8×2×0.5	17.2	351	16.0	297
10×2×0.5	19.4	399	18.1	338
12×2×0.5	20.0	450	18.7	380
14×2×0.5	21.4	529	19.6	429
19×2×0.5	23.8	655	22.1	550
24×2×0.5	27.8	832	25.8	697
27×2×0.5	28.4	909	26.4	760
30×2×0.5	29.5	996	27.3	831
37×2×0.5	32.4	1214	29.5	974
2×2×1	12.7	176	12.0	156
3×2×1	14.1	234	12.8	191
4×2×1	15.4	286	14.6	253
5×2×1	16.8	343	15.9	301
7×2×1	18.2	397	17.3	349
8×2×1	20.9	530	19.3	446
10×2×1	23.6	603	22.3	528
12×2×1	24.4	684	23.0	597
14×2×1	25.6	776	24.2	677
19×2×1	28.6	970	26.9	842
24×2×1	34.1	1284	32.2	1117
27×2×1	34.9	1405	32.8	1220
30×2×1	36.2	1540	34.1	1336
37×2×1	39.5	1851	36.8	1572

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSYJPV 型电缆		KX-GSYJP2V 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1.5	14.1	226	12.9	188
3×2×1.5	15.0	278	14.3	251
4×2×1.5	16.4	343	15.6	307
5×2×1.5	17.9	412	17.0	368
7×2×1.5	19.5	485	18.5	432
8×2×1.5	22.4	643	21.2	571
10×2×1.5	25.3	734	24.0	655
12×2×1.5	26.2	838	24.8	745
14×2×1.5	27.5	954	26.1	847
19×2×1.5	31.3	1243	29.1	1064
24×2×1.5	37.1	1616	34.7	1404
27×2×1.5	37.9	1772	35.5	1539
30×2×1.5	39.3	1942	36.8	1687
37×2×1.5	42.5	2299	40.2	2033
2×2×2.5	15.5	289	14.9	266
3×2×2.5	16.5	362	15.8	331
4×2×2.5	18.1	451	17.3	411
5×2×2.5	19.8	545	18.9	496
7×2×2.5	22.0	672	21.1	612
8×2×2.5	24.8	854	23.6	774
10×2×2.5	28.1	983	26.8	894
12×2×2.5	29.1	1129	27.7	1025
14×2×2.5	31.2	1332	29.2	1171
19×2×2.5	34.8	1688	33.2	1531
24×2×2.5	41.3	2189	39.4	1987
27×2×2.5	42.3	2410	40.2	2183
30×2×2.5	43.8	2647	41.7	2398
37×2×2.5	48.0	3215	45.1	2852

2、 KX-GSYJPVR、KX-GSYJP2VR 型热电偶用补偿电缆 XLPE insulation precision grade  
thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSYJPVR 型电缆		KX-GSYJP2VR 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	11.1	130	10.5	114
3×2×0.5	11.8	157	11.1	136
4×2×0.5	12.9	192	12.1	164
5×2×0.5	14.7	249	13.2	196
7×2×0.5	15.9	285	14.9	243
8×2×0.5	17.8	366	16.7	312
10×2×0.5	20.5	432	18.8	352
12×2×0.5	21.2	487	19.4	395
14×2×0.5	22.2	549	20.4	446
19×2×0.5	24.7	680	23.0	570
24×2×0.5	28.9	865	26.9	725
27×2×0.5	29.5	944	27.5	790
30×2×0.5	31.2	1075	28.5	862
37×2×0.5	33.7	1261	31.4	1053
2×2×1	13.3	187	12.6	165
3×2×1	14.7	246	13.4	200
4×2×1	16.1	301	15.3	266
5×2×1	17.5	358	16.6	315
7×2×1	19.1	415	18.1	363
8×2×1	21.9	558	20.3	470
10×2×1	24.8	632	23.4	553
12×2×1	25.6	715	24.2	624
14×2×1	26.9	812	25.5	708
19×2×1	30.0	1012	28.4	878
24×2×1	35.9	1342	33.9	1166
27×2×1	37.0	1500	34.6	1272
30×2×1	38.4	1641	35.9	1392
37×2×1	41.5	1931	39.2	1671

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSYJPVR 型电缆		KX-GSYJP2VR 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1.5	14.8	240	13.6	199
3×2×1.5	15.7	292	15.0	263
4×2×1.5	17.2	360	16.4	322
5×2×1.5	18.8	432	18.0	388
7×2×1.5	21.0	525	19.6	450
8×2×1.5	23.5	674	22.4	601
10×2×1.5	26.7	769	25.4	685
12×2×1.5	27.6	875	26.2	776
14×2×1.5	29.1	997	27.6	883
19×2×1.5	33.0	1295	30.8	1105
24×2×1.5	39.2	1687	36.8	1463
27×2×1.5	40.0	1847	38.0	1635
30×2×1.5	41.5	2025	39.4	1790
37×2×1.5	44.9	2394	42.6	2111
2×2×2.5	16.6	312	15.9	285
3×2×2.5	17.6	385	16.9	351
4×2×2.5	19.4	479	18.6	437
5×2×2.5	21.6	597	20.3	525
7×2×2.5	23.6	705	22.6	640
8×2×2.5	26.6	907	25.5	824
10×2×2.5	30.2	1037	28.9	940
12×2×2.5	31.9	1230	29.9	1075
14×2×2.5	33.5	1402	32.1	1271
19×2×2.5	37.8	1800	35.8	1598
24×2×2.5	44.5	2299	42.5	2078
27×2×2.5	45.5	2526	43.4	2282
30×2×2.5	47.2	2776	45.1	2507
37×2×2.5	51.7	3364	49.4	3038

3、 KX-GSYJVP、KX-GSYJVP2 热电偶用补偿电缆 XLPE insulation precision grade  
thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSYJVP 型电缆		KX-GSYJVP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	10.2	123	9.8	105
3×2×0.5	10.8	141	10.4	122
4×2×0.5	11.7	166	11.3	145
5×2×0.5	12.6	191	12.2	169
7×2×0.5	13.6	214	13.2	189
8×2×0.5	15.8	292	15.4	264
10×2×0.5	17.7	328	17.3	296
12×2×0.5	18.2	361	17.8	327
14×2×0.5	19.1	401	18.7	366
19×2×0.5	21.1	482	20.7	442
24×2×0.5	24.9	628	24.5	581
27×2×0.5	25.4	676	25.0	628
30×2×0.5	26.3	731	25.9	682
37×2×0.5	28.4	844	28.0	790
2×2×1	12.1	173	11.7	151
3×2×1	12.8	202	12.4	179
4×2×1	14.6	262	13.6	217
5×2×1	15.8	306	15.4	277
7×2×1	17.1	346	16.7	315
8×2×1	19.1	440	18.7	404
10×2×1	21.9	515	21.1	456
12×2×1	22.6	572	21.8	511
14×2×1	23.7	641	23.3	596
19×2×1	26.3	781	25.9	731
24×2×1	30.7	987	30.3	928
27×2×1	31.3	1069	30.9	1009
30×2×1	33.1	1209	32.1	1102
37×2×1	35.6	1403	35.2	1335

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSYJVP 型电缆		KX-GSYJVP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1.5	13.0	207	12.6	183
3×2×1.5	13.8	247	13.4	221
4×2×1.5	15.6	317	15.2	289
5×2×1.5	17.0	375	16.6	344
7×2×1.5	18.4	430	18.0	396
8×2×1.5	20.6	545	20.2	507
10×2×1.5	23.6	640	23.2	596
12×2×1.5	24.4	718	24.0	672
14×2×1.5	25.6	807	25.2	759
19×2×1.5	28.4	995	28.0	941
24×2×1.5	33.8	1306	33.4	1242
27×2×1.5	34.6	1421	34.2	1355
30×2×1.5	35.8	1548	35.4	1479
37×2×1.5	39.1	1848	38.3	1739
2×2×2.5	15.0	288	14.0	242
3×2×2.5	15.9	348	15.5	319
4×2×2.5	17.3	422	16.9	390
5×2×2.5	18.8	501	18.4	466
7×2×2.5	20.5	590	20.1	552
8×2×2.5	23.4	765	23.0	722
10×2×2.5	26.4	878	26.0	828
12×2×2.5	27.3	994	26.9	943
14×2×2.5	28.7	1125	28.3	1071
19×2×2.5	32.5	1451	31.5	1347
24×2×2.5	38.5	1875	37.7	1768
27×2×2.5	39.3	2048	38.9	1973
30×2×2.5	40.7	2238	40.3	2160
37×2×2.5	44.0	2641	43.6	2556



4、 KX-GSYJVRP、KX-GSYJVRP2 热电偶用补偿电缆 XLPE insulation precision grade  
thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSYJVRP 型电缆		KX-GSYJVRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	10.6	129	10.2	115
3×2×0.5	11.1	146	10.7	133
4×2×0.5	12.1	172	11.7	160
5×2×0.5	13.1	200	12.7	188
7×2×0.5	14.8	242	13.8	213
8×2×0.5	16.4	305	16.0	294
10×2×0.5	18.4	342	18.0	332
12×2×0.5	19.0	375	18.6	369
14×2×0.5	19.9	417	19.5	413
19×2×0.5	22.4	519	22.0	523
24×2×0.5	26.0	652	25.6	661
27×2×0.5	26.6	701	26.2	716
30×2×0.5	27.5	758	27.1	779
37×2×0.5	29.6	872	29.2	905
2×2×1	12.7	184	12.3	161
3×2×1	13.4	213	13.0	188
4×2×1	15.3	276	14.3	229
5×2×1	16.6	322	16.2	292
7×2×1	18.0	361	17.6	328
8×2×1	20.1	463	19.7	425
10×2×1	23.0	539	22.6	496
12×2×1	23.8	597	23.4	553
14×2×1	25.0	669	24.6	622
19×2×1	27.7	811	27.3	758
24×2×1	33.0	1071	32.0	966
27×2×1	33.7	1157	32.7	1049
30×2×1	34.9	1257	34.5	1190
37×2×1	37.7	1458	37.3	1385

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSYJVRP 型电缆		KX-GSYJVRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1.5	13.7	220	13.3	195
3×2×1.5	15.1	279	14.1	232
4×2×1.5	16.4	332	16.0	302
5×2×1.5	17.9	394	17.5	361
7×2×1.5	19.4	447	19.0	411
8×2×1.5	22.1	590	21.3	530
10×2×1.5	25.0	670	24.6	623
12×2×1.5	25.8	748	25.4	699
14×2×1.5	27.1	840	26.7	789
19×2×1.5	30.1	1032	29.7	974
24×2×1.5	35.9	1359	35.5	1290
27×2×1.5	36.7	1475	36.3	1405
30×2×1.5	38.0	1606	37.6	1533
37×2×1.5	41.5	1914	41.1	1834
2×2×2.5	16.0	308	15.6	279
3×2×2.5	17.0	369	16.6	338
4×2×2.5	18.6	449	18.2	414
5×2×2.5	20.3	534	19.9	496
7×2×2.5	22.5	637	21.7	575
8×2×2.5	25.2	811	24.8	764
10×2×2.5	28.5	922	28.1	868
12×2×2.5	29.5	1042	29.1	985
14×2×2.5	31.0	1178	30.6	1119
19×2×2.5	35.1	1511	34.7	1444
24×2×2.5	41.6	1957	41.2	1877
27×2×2.5	42.5	2134	42.1	2052
30×2×2.5	44.1	2333	43.7	2248
37×2×2.5	47.6	2740	47.2	2648

5、 KX-GSYJPVP、KX-GSYJP2VP2 型热电偶用补偿电缆 XLPE insulation precision grade  
thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSYJPVP 型电缆		KX-GSYJP2VP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	11.4	161	10.3	122
3×2×0.5	12.0	188	10.9	144
4×2×0.5	13.1	226	11.9	174
5×2×0.5	14.8	285	12.9	205
7×2×0.5	16.0	326	14.6	254
8×2×0.5	17.8	409	16.2	320
10×2×0.5	20.4	483	18.3	364
12×2×0.5	21.0	536	18.9	408
14×2×0.5	22.0	601	19.8	458
19×2×0.5	24.4	736	22.3	582
24×2×0.5	28.4	928	26.0	736
27×2×0.5	29.0	1007	26.6	800
30×2×0.5	30.7	1139	27.5	872
37×2×0.5	33.0	1326	29.7	1019
2×2×1	13.9	237	12.2	173
3×2×1	14.7	280	13.0	209
4×2×1	16.0	337	14.8	273
5×2×1	17.4	399	16.1	324
7×2×1	18.8	458	17.5	374
8×2×1	21.5	600	19.5	475
10×2×1	24.2	683	22.5	561
12×2×1	25.0	767	23.2	631
14×2×1	26.2	864	24.4	713
19×2×1	29.2	1069	27.1	883

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSYJPVP 型电缆		KX-GSYJP2VP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
24×2×1	34.7	1401	32.4	1166
27×2×1	35.5	1526	33.0	1270
30×2×1	37.2	1698	34.3	1388
37×2×1	40.1	1988	37.0	1628
2×2×1.5	14.7	272	13.1	206
3×2×1.5	15.6	328	14.5	270
4×2×1.5	17.0	397	15.8	329
5×2×1.5	18.5	472	17.2	392
7×2×1.5	20.5	570	18.7	459
8×2×1.5	23.0	719	21.4	602
10×2×1.5	25.9	821	24.2	690
12×2×1.5	26.8	928	25.0	782
14×2×1.5	28.1	1048	26.3	886
19×2×1.5	31.9	1351	29.3	1108
24×2×1.5	37.7	1744	34.9	1456
27×2×1.5	38.5	1903	35.7	1593
30×2×1.5	39.9	2079	37.0	1743
37×2×1.5	43.1	2448	40.4	2095
2×2×2.5	16.1	340	15.1	287
3×2×2.5	17.1	417	16.0	353
4×2×2.5	18.7	512	17.5	436
5×2×2.5	20.8	630	19.1	523
7×2×2.5	22.6	746	21.3	643
8×2×2.5	25.4	939	23.8	809
10×2×2.5	28.7	1080	27.0	934
12×2×2.5	30.3	1270	27.9	1067
14×2×2.5	31.8	1439	29.4	1215
19×2×2.5	35.8	1840	33.4	1581
24×2×2.5	41.9	2332	39.6	2047
27×2×2.5	42.9	2557	40.4	2245
30×2×2.5	44.4	2800	41.9	2462
37×2×2.5	48.6	3382	45.3	2922

6、 KX-GSYJPVRP、KX-GSYJP2VRP2 型热电偶用补偿电缆 XLPE insulation precision grade  
thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSYJPVRP 型电缆		KX-GSYJP2VRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×0.5	11.7	167	10.7	129
3×2×0.5	12.4	196	11.3	151
4×2×0.5	14.1	254	12.3	181
5×2×0.5	15.3	298	13.4	215
7×2×0.5	16.5	338	15.1	264
8×2×0.5	18.4	426	16.9	336
10×2×0.5	21.1	501	19.0	379
12×2×0.5	21.8	558	19.6	424
14×2×0.5	22.8	625	20.6	476
19×2×0.5	25.3	764	23.2	604
24×2×0.5	30.1	1005	27.1	765
27×2×0.5	30.7	1087	27.7	831
30×2×0.5	31.8	1182	28.7	906
37×2×0.5	34.3	1377	31.6	1100
2×2×1	14.5	250	12.8	183
3×2×1	15.3	294	13.6	219
4×2×1	16.7	354	15.5	287
5×2×1	18.1	417	16.8	339
7×2×1	19.7	479	18.3	389
8×2×1	22.5	632	20.5	500
10×2×1	25.4	717	23.6	587
12×2×1	26.2	803	24.4	660
14×2×1	27.5	905	25.7	746
19×2×1	31.2	1157	28.6	921

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	KX-GSYJPVRP 型电缆		KX-GSYJP2VVRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
24×2×1	36.9	1500	34.1	1217
27×2×1	37.6	1627	34.8	1325
30×2×1	39.0	1774	36.1	1447
37×2×1	42.1	2075	39.4	1731
2×2×1.5	15.4	288	14.4	238
3×2×1.5	16.3	344	15.2	284
4×2×1.5	17.8	417	16.6	345
5×2×1.5	19.4	496	18.2	415
7×2×1.5	21.6	596	19.8	479
8×2×1.5	24.1	754	22.6	634
10×2×1.5	27.3	861	25.6	723
12×2×1.5	28.2	970	26.4	816
14×2×1.5	29.7	1097	27.8	924
19×2×1.5	33.6	1409	31.0	1152
24×2×1.5	39.8	1823	37.0	1519
27×2×1.5	40.6	1986	38.2	1692
30×2×1.5	42.1	2170	39.6	1850
37×2×1.5	45.5	2551	42.8	2177
2×2×2.5	17.2	367	16.1	307
3×2×2.5	18.2	444	17.1	376
4×2×2.5	20.4	563	18.8	464
5×2×2.5	22.2	670	20.5	555
7×2×2.5	24.2	785	22.8	673
8×2×2.5	27.2	998	25.7	862
10×2×2.5	31.4	1184	29.1	984
12×2×2.5	32.5	1339	30.1	1120
14×2×2.5	34.1	1518	32.3	1319
19×2×2.5	38.4	1931	36.0	1652
24×2×2.5	45.1	2455	42.7	2144
27×2×2.5	46.1	2685	43.6	2349
30×2×2.5	48.4	3006	45.3	2577
37×2×2.5	52.3	3545	49.6	3114

## 耐火热电偶用补偿电缆

### The fourth chapter: fire-resistant thermocouple compensation cable

#### 一、 产品标准 Standard

本产品根据 GB/T 4989-1994《热电偶用补偿导线》、JB/T 7495-1994《热电偶用补偿电缆》和 GB/T 19666-2005《阻燃和耐火电线电缆通则》标准设计、生产和检测。同时还可根据客户的特殊要求进行设计、生产和检测。

This product according to GB/T 4989-2013《the thermocouple with compensation lead》、JB/T 7495-1994 the thermocouple with compensation cable》 and GB/T 19666-2005《flame retardant and fire resistant wires and cablesGeneral》 design, manufacture and testing. At the same time also can according to the special requirements of customers design, production and testing.

#### 二、 适用范围 Applications

本产品在着火条件下仍能保持一定时间继续运行，适用于电力、冶金、石油、化工、轻纺等工业及国防、科研部门自动化场所测温仪表的单点或多点连接的热电偶用补偿电缆。

This product is applicable to the under fire conditions can still maintain a certain time to continue to run, The product is suitable for use in electric power, metallurgy, petroleum, chemical industry, textile industry and national defense, scientific research departments automatic temperature measuring meter of single point or multi-point thermocouple with compensation cable connection.

#### 三、 使用特性 Operating characteristics

1、 电缆工作温度：聚氯乙烯绝缘热电偶用补偿电缆长期允许工作温度为 70℃和 100℃，交联聚乙烯绝缘热电偶用补偿电缆长期允许工作温度为 90℃。

Cable working temperature: PVC insulated thermocouple compensation cable conductor long allowed working temperature 70 °C and 100 °C ,XLPE insulated thermocouple compensation cable conductor long allowed working temperature 90 °C 。。

2、 电缆的敷设温度：电缆的敷设温度应不低于 0℃。

The ambient temperature under installation should not below 0℃。

3、 热电偶用补偿电缆允许弯曲半径：

——有铜带屏蔽结构的补偿电缆，应不小于电缆外径的 16 倍；

——其他结构的补偿电缆，应不小于电缆外径的 10 倍。

Thermocouple compensation cable allows bending radius:

——the structure of the copper tape screened compensation cable, should not be less than 16 times of cable diameter;

——other compensation cable structure, should be not less than 10 times of cable diameter.

#### 四、 产品型号及名称

表 1 产品型号及名称

Table 1 Type of cable

型号 Type	名称 Designation
NH-KX-GSVV	聚氯乙烯绝缘聚氯乙烯护套精密级单股导体 K 分度号耐火热电偶用补偿电缆 PVC insulated PVC sheathed precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSVPV	聚氯乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽精密级单股导体 K 分度号耐火热电偶用补偿电缆 PVC insulated PVC sheathed braiding individual screen precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSVVP	聚氯乙烯绝缘聚氯乙烯护套铜丝编织总屏蔽精密级单股导体 K 分度号耐火热电偶用补偿电缆 PVC insulated PVC sheathed braiding overall screen precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSVPVP	聚氯乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽和总屏蔽精密级单股导体 K 分度号耐火热电偶用补偿电缆 PVC insulated PVC sheathed braiding individual screen and overall screen precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSVP2V	聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽精密级单股导体 K 分度号耐火热电偶用补偿电缆 PVC insulated PVC sheathed copper tape individual screen precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSVVP2	聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包总屏蔽精密级单股导体 K 分度号耐火热电偶用补偿电缆 PVC insulated PVC sheathed copper tape overall screen precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable



续上表:

型号 Type	名称 Designation
NH-KX-GSVP2VP2	<p>聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽和总屏蔽精密级单股导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed copper tape individual screen and overall screen precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSVP3V	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽精密级单股导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape individual screen precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSVVP3	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包总屏蔽精密级单股导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape overall screen precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSVP3VP3	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽和总屏蔽精密级单股导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape individual screen and overall screen precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSVPV22	<p>聚氯乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽钢带铠装精密级单股导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed braiding individual screen steel tape armoured precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSVVP22	<p>聚氯乙烯绝缘聚氯乙烯护套铜丝编织总屏蔽钢带铠装精密级单股导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed braiding overall screen steel tape armoured precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSVPVP22	<p>聚氯乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽和总屏蔽钢带铠装精密级单股导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed braiding individual screen and overall screen steel tape armoured precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSVP2V22	<p>聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽钢带铠装精密级单股导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed copper tape individual screen steel tape armoured precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable</p>

续上表:

型号 Type	名称 Designation
NH-KX-GSVVP2-22	<p>聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包总屏蔽钢带铠装精密级单股导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed copper tape overall screen steel tape armoured precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSVP2VP2-22	<p>聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽和总屏蔽钢带铠装精密级单股导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed copper tape individual screen and overall screen steel tape armoured precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSVP3V22	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽钢带铠装精密级单股导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape individual screen steel tape armoured precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSVVP3-22	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包总屏蔽钢带铠装精密级单股导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape overall screen steel tape armoured precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSVP3VP3-22	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽和总屏蔽钢带铠装精密级单股导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape individual screen and overall screen steel tape armoured precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSVVR	<p>聚氯乙烯绝缘聚氯乙烯护套精密级多股软导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed precision grade multi-strand soft conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSVPVR	<p>聚氯乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽精密级多股软导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed braiding individual screen precision grade multi-strand soft conductor number K dividing fire-resistant thermocouple compensating cable</p>

续上表:

型号 Type	名称 Designation
NH-KX-GSVVRP	<p>聚氯乙烯绝缘聚氯乙烯护套铜丝编织总屏蔽精密级多股软导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed braiding overall screen precision grade multi-strand soft conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSVPVRP	<p>聚氯乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽和总屏蔽精密级多股软导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed braiding individual screen and overall screen precision grade multi-strand soft conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSVP2VR	<p>聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽精密级多股软导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed copper tape individual screen precision grade multi-strand soft conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSVVRP2	<p>聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包总屏蔽精密级多股软导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed copper tape overall screen precision grade multi-strand soft conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSVP2VRP2	<p>聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽和总屏蔽精密级多股软导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed copper tape individual screen and overall screen precision grade multi-strand soft conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSVP3VR	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽精密级多股软导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape individual screen precision grade multi-strand soft conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSVVRP3	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包总屏蔽精密级多股软导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape overall screen precision grade multi-strand soft conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSVP3VRP3	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽和总屏蔽精密级多股软导体 K 分度号耐火热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape individual screen and overall screen precision grade multi-strand soft conductor number K dividing fire-resistant thermocouple compensating cable</p>

续上表:

型号 Type	名称 Designation
NH-KX-GSYJV	交联聚乙烯绝缘氯乙烯护套精密级单股导体 K 分度号耐火热电偶用补偿电缆 XLPE insulated PVC sheathed precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSYJVP	交联聚乙烯绝缘氯乙烯护套铜丝编织分屏蔽精密级单股导体 K 分度号耐火热电偶用补偿电缆 XLPE insulated PVC sheathed braiding individual screen precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSYJVP	交联聚乙烯绝缘氯乙烯护套铜丝编织总屏蔽精密级单股导体 K 分度号耐火热电偶用补偿电缆 XLPE insulated PVC sheathed braiding overall screen precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSYJVPV	交联聚乙烯绝缘氯乙烯护套铜丝编织分屏蔽和总屏蔽精密级单股导体 K 分度号耐火热电偶用补偿电缆 XLPE insulated PVC sheathed braiding individual screen and overall screen precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSYJP2V	交联聚乙烯绝缘氯乙烯护套铜塑复合带绕包分屏蔽精密级单股导体 K 分度号耐火热电偶用补偿电缆 XLPE insulated PVC sheathed copper tape individual screen precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSYJVP2	交联聚乙烯绝缘氯乙烯护套铜塑复合带绕包总屏蔽精密级单股导体 K 分度号耐火热电偶用补偿电缆 XLPE insulated PVC sheathed copper tape overall screen precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSYJP2VP2	交联聚乙烯绝缘氯乙烯护套铜塑复合带绕包分屏蔽和总屏蔽精密级单股导体 K 分度号耐火热电偶用补偿电缆 XLPE insulated PVC sheathed copper tape individual screen and overall screen precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable

续上表:

型号 Type	名称 Designation
NH-KX-GSYJP3V	<p>交联聚乙烯绝缘氯乙烯护套铝塑复合带绕包分屏蔽精密级单股导体 K 分度号耐火热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed aluminum-plastic composite tape individual screen precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSYJVP3	<p>交联聚乙烯绝缘氯乙烯护套铝塑复合带绕包总屏蔽精密级单股导体 K 分度号耐火热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed aluminum-plastic composite tape overall screen precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSYJP3VP3	<p>交联聚乙烯绝缘氯乙烯护套铝塑复合带绕包分屏蔽和总屏蔽精密级单股导体 K 分度号耐火热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed aluminum-plastic composite tape individual screen and overall screen precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSYJVP22	<p>交联聚乙烯绝缘氯乙烯护套铜丝编织分屏蔽钢带铠装精密级单股导体 K 分度号耐火热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed braiding individual screen steel tape armoured precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSYJVP22	<p>交联聚乙烯绝缘氯乙烯护套铜丝编织总屏蔽钢带铠装精密级单股导体 K 分度号耐火热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed braiding overall screen steel tape armoured precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSYJPVP22	<p>交联聚乙烯绝缘氯乙烯护套铜丝编织分屏蔽和总屏蔽钢带铠装精密级单股导体 K 分度号耐火热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed braiding individual screen and overall screen steel tape armoured precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSYJP2V22	<p>交联聚乙烯绝缘氯乙烯护套铜塑复合带绕包分屏蔽钢带铠装精密级单股导体 K 分度号耐火热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed copper tape individual screen steel tape armoured precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable</p>
NH-KX-GSYJVP2-22	<p>交联聚乙烯绝缘氯乙烯护套铜塑复合带绕包总屏蔽钢带铠装精密级单股导体 K 分度号耐火热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed copper tape overall screen steel tape armoured precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable</p>

续上表:

型号 Type	名称 Designation
NH-KX-GSYJP2VP2-22	交联聚乙烯绝缘氯乙烯护套铜塑复合带绕包分屏蔽和总屏蔽钢带铠装精密级单股导体 K 分度号耐火热电偶用补偿电缆 XLPE insulated PVC sheathed copper tape individual screen and overall screen steel tape armoured precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSYJP3V22	交联聚乙烯绝缘氯乙烯护套铝塑复合带绕包分屏蔽钢带铠装精密级单股导体 K 分度号耐火热电偶用补偿电缆 XLPE insulated PVC sheathed aluminum-plastic composite tape individual screen steel tape armoured precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSYJVP3-22	交联聚乙烯绝缘氯乙烯护套铝塑复合带绕包总屏蔽钢带铠装精密级单股导体 K 分度号耐火热电偶用补偿电缆 XLPE insulated PVC sheathed aluminum-plastic composite tape overall screen steel tape armoured precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSYJP3VP3-22	交联聚乙烯绝缘氯乙烯护套铝塑复合带绕包分屏蔽和总屏蔽钢带铠装精密级单股导体 K 分度号耐火热电偶用补偿电缆 XLPE insulated PVC sheathed aluminum-plastic composite tape individual screen and overall screen steel tape armoured precision grade single stranded conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSYJVR	交联聚乙烯绝缘氯乙烯护套精密级多股软导体 K 分度号耐火热电偶用补偿电缆 XLPE insulated PVC sheathed precision grade multi-strand soft conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSYJPVR	交联聚乙烯绝缘氯乙烯护套铜丝编织分屏蔽精密级多股软导体 K 分度号耐火热电偶用补偿电缆 XLPE insulated PVC sheathed braiding individual screen precision grade multi-strand soft conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSYJVRP	交联聚乙烯绝缘氯乙烯护套铜丝编织总屏蔽精密级多股软导体 K 分度号耐火热电偶用补偿电缆 XLPE insulated PVC sheathed braiding overall screen precision grade multi-strand soft conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSYJPVRP	交联聚乙烯绝缘氯乙烯护套铜丝编织分屏蔽和总屏蔽精密级多股软导体 K 分度号耐火热电偶用补偿电缆 XLPE insulated PVC sheathed braiding individual screen and overall screen precision grade multi-strand soft conductor number K dividing fire-resistant thermocouple compensating cable

续上表:

型号 Type	名称 Designation
NH-KX-GSYJP2VR	交联聚乙烯绝缘氯乙烯护套铜塑复合带绕包分屏蔽精密级多股软导体 K 分度号耐火热电偶用补偿电缆 XLPE insulated PVC sheathed copper tape individual screen precision grade multi-strand soft conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSYJVRP2	交联聚乙烯绝缘氯乙烯护套铜塑复合带绕包总屏蔽精密级多股软导体 K 分度号耐火热电偶用补偿电缆 XLPE insulated PVC sheathed copper tape overall screen precision grade multi-strand soft conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSYJP2VRP2	交联聚乙烯绝缘氯乙烯护套铜塑复合带绕包分屏蔽和总屏蔽精密级多股软导体 K 分度号耐火热电偶用补偿电缆 XLPE insulated PVC sheathed copper tape individual screen and overall screen precision grade multi-strand soft conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSYJP3VR	交联聚乙烯绝缘氯乙烯护套铝塑复合带绕包分屏蔽精密级多股软导体 K 分度号耐火热电偶用补偿电缆 XLPE insulated PVC sheathed aluminum-plastic composite tape individual screen precision grade multi-strand soft conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSYJVRP3	交联聚乙烯绝缘氯乙烯护套铝塑复合带绕包总屏蔽精密级多股软导体 K 分度号耐火热电偶用补偿电缆 XLPE insulated PVC sheathed aluminum-plastic composite tape overall screen precision grade multi-strand soft conductor number K dividing fire-resistant thermocouple compensating cable
NH-KX-GSYJP3VRP3	交联聚乙烯绝缘氯乙烯护套铝塑复合带绕包分屏蔽和总屏蔽精密级多股软导体 K 分度号耐火热电偶用补偿电缆 XLPE insulated PVC sheathed aluminum-plastic composite tape individual screen and overall screen precision grade multi-strand soft conductor number K dividing fire-resistant thermocouple compensating cable
<p>备注: 1、其它型号补偿电缆 EX、SC、KC、NC、NX、BC、TX、JX, 只需改写型号的第一项, 如 EX-GSVPV 等。2、阻燃分为成束 A、B、C 类阻燃, 分别表示为 ZA、ZB、ZC, 一般不注明 (ZR) 等级则为 C 类。</p> <p>Note: 1, the other model thermocouple compensating cable EX, SC, KC, NC, NX, BC, TX, JX, only need to rewrite the model first, such as the EX - GSVPV</p> <p>2、flame retardant is divided into bundles of A, B, C flame retardant, are expressed as ZA, ZB,ZC, generally does not indicate (ZR) level for the C class.</p>	

五、 电缆结构结构尺寸 Cable structure size

1、 2 芯 NH-KX-GSVVP、NH-KX-GSVVP2、NH-KX-GSVVRP、NH-KX-GSVVRP2 补偿电缆 PVC

insulated precision grade fire-resistant thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	导体种类 Conductor type	绝缘标称 厚度 Thickness of Insulation  mm	护套标称 厚度 Thickness of Sheath  mm	电缆最大 外径 mm Maximum overall diameter of cable	电缆近似重量 kg/km Approximate the weight of cable
2×1.0	单股结构 single stranded conductor	0.7	1.0	5.4×8.6	80
	多股软结构 multi-strand soft conductor	0.7	1.0	5.6×8.9	84
2×1.5	单股结构 single stranded conductor	0.7	1.0	5.7×9.0	94
	多股软结构 multi-strand soft conductor	0.7	1.0	5.9×9.4	98
2×2.5	单股结构 single stranded conductor	0.7	1.0	6.1×9.8	120
	多股软结构 multi-strand soft conductor	0.7	1.0	6.4×10.4	127



2、 NH-KX-GSVPV、NH-KX-GSVP2V 型耐火热电偶用补偿电缆

PVC insulated precision grade

fire-resistant thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSVPV 型电缆		NH-KX-GSVP2V 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1	15.4	251	14.2	209
3×2×1	16.4	306	15.1	255
4×2×1	18.0	377	17.2	337
5×2×1	19.7	453	18.8	404
7×2×1	21.5	524	20.5	465
8×2×1	24.6	705	23.1	608
10×2×1	27.9	799	26.6	711
12×2×1	28.9	909	27.5	805
14×2×1	30.4	1034	28.9	915
19×2×1	34.6	1340	32.3	1141
24×2×1	41.0	1748	38.6	1513
27×2×1	41.9	1914	39.5	1656
30×2×1	43.5	2099	41.0	1815
37×2×1	47.1	2475	44.7	2178
2×2×1.5	16.3	290	15.6	263
3×2×1.5	17.3	355	16.6	322
4×2×1.5	19.0	439	18.2	397
5×2×1.5	20.8	530	19.9	478
7×2×1.5	23.2	641	21.8	558
8×2×1.5	26.1	830	25.0	749
10×2×1.5	29.7	945	28.3	849
12×2×1.5	30.7	1078	29.3	968
14×2×1.5	32.3	1229	30.9	1103
19×2×1.5	36.7	1597	35.1	1431
24×2×1.5	43.6	2081	41.6	1865
27×2×1.5	44.6	2283	42.5	2044
30×2×1.5	46.3	2507	44.1	2242
37×2×1.5	50.1	2968	47.8	2651

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSVPV 型电缆		NH-KX-GSVP2V 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×2.5	17.7	358	17.0	330
3×2×2.5	18.9	448	18.1	410
4×2×2.5	20.7	556	19.9	510
5×2×2.5	23.1	695	21.8	617
7×2×2.5	25.3	823	24.3	754
8×2×2.5	28.5	1059	27.4	970
10×2×2.5	32.5	1215	31.1	1109
12×2×2.5	34.2	1441	32.2	1272
14×2×2.5	36.0	1643	34.5	1501
19×2×2.5	40.6	2114	38.6	1896
24×2×2.5	47.8	2702	45.8	2464
27×2×2.5	48.9	2976	46.9	2711
30×2×2.5	50.8	3271	48.6	2980
37×2×2.5	55.6	3965	53.3	3613

3、NH-KX-GSVPVR、NH-KX-GSVP2VR 型耐火热电偶用补偿电缆  
grade fire-resistant thermocouple compensating cable

PVC insulated precision

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSVPVR 型电缆		NH-KX-GSVP2VR 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1	16.0	265	14.8	221
3×2×1	17.0	321	16.3	289
4×2×1	18.7	396	17.9	354
5×2×1	20.4	473	19.6	425
7×2×1	22.3	547	21.4	486
8×2×1	25.6	741	24.5	661
10×2×1	29.1	837	27.8	745
12×2×1	30.1	950	28.7	842
14×2×1	31.7	1082	30.2	957
19×2×1	36.0	1399	33.8	1191
24×2×1	42.7	1828	40.4	1582
27×2×1	43.7	2000	41.3	1730
30×2×1	45.3	2193	43.2	1934
37×2×1	49.1	2584	46.8	2274
2×2×1.5	17.0	306	16.3	279
3×2×1.5	18.1	375	17.4	341
4×2×1.5	19.8	461	19.1	419
5×2×1.5	21.8	559	20.9	504
7×2×1.5	24.2	669	22.8	582
8×2×1.5	27.3	873	26.1	785
10×2×1.5	31.0	989	29.7	889
12×2×1.5	32.1	1128	30.7	1013
14×2×1.5	34.4	1331	32.4	1154
19×2×1.5	38.4	1666	36.8	1493
24×2×1.5	45.7	2176	43.7	1950
27×2×1.5	46.7	2387	44.7	2137
30×2×1.5	48.5	2618	46.3	2342
37×2×1.5	53.1	3167	50.2	2764

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSVPVR 型电缆		NH-KX-GSVP2VR 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×2.5	18.7	383	18.1	355
3×2×2.5	20.0	476	19.3	438
4×2×2.5	22.0	592	21.2	543
5×2×2.5	24.5	738	23.6	676
7×2×2.5	26.8	866	25.9	792
8×2×2.5	30.3	1126	29.2	1031
10×2×2.5	35.1	1329	33.2	1172
12×2×2.5	36.4	1520	35.0	1389
14×2×2.5	38.3	1734	36.9	1583
19×2×2.5	43.2	2223	41.6	2027
24×2×2.5	50.9	2846	49.0	2595
27×2×2.5	52.7	3202	50.1	2852
30×2×2.5	54.7	3517	52.0	3133
37×2×2.5	59.2	4166	56.9	3790

4、NH-KX-GSVVP、NH-KX-GSVVP2 耐火热电偶用补偿电缆

PVC insulated precision grade

fire-resistant thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSVVP 型电缆		NH-KX-GSVVP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1	14.3	230	13.9	204
3×2×1	15.2	271	14.8	243
4×2×1	17.2	348	16.8	317
5×2×1	18.7	410	18.3	375
7×2×1	20.3	462	19.9	424
8×2×1	22.8	597	22.4	554
10×2×1	26.2	695	25.8	645
12×2×1	27.1	775	26.7	724
14×2×1	28.4	869	28.0	816
19×2×1	31.7	1064	31.3	1003
24×2×1	37.7	1402	36.7	1281
27×2×1	38.6	1522	38.2	1448
30×2×1	40.0	1657	39.6	1580
37×2×1	43.6	1969	42.8	1847
2×2×1.5	15.1	265	14.7	238
3×2×1.5	16.7	340	16.3	309
4×2×1.5	18.2	409	17.8	375
5×2×1.5	19.9	486	19.5	449
7×2×1.5	21.6	554	21.2	514
8×2×1.5	24.7	736	23.9	668
10×2×1.5	27.9	831	27.5	779
12×2×1.5	28.9	935	28.5	880
14×2×1.5	30.4	1054	30.0	996
19×2×1.5	33.8	1301	33.4	1236
24×2×1.5	40.3	1710	39.9	1632
27×2×1.5	41.2	1863	40.8	1783
30×2×1.5	43.1	2071	42.3	1950
37×2×1.5	46.6	2424	46.2	2335

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSVVP 型电缆		NH-KX-GSVVP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×2.5	17.1	355	16.7	323
3×2×2.5	18.2	429	17.8	396
4×2×2.5	19.9	523	19.5	486
5×2×2.5	21.8	627	21.4	586
7×2×2.5	24.1	749	23.3	683
8×2×2.5	27.1	956	26.7	905
10×2×2.5	30.7	1090	30.3	1031
12×2×2.5	31.8	1236	31.4	1175
14×2×2.5	33.4	1401	33.0	1336
19×2×2.5	37.9	1801	37.5	1728
24×2×2.5	44.9	2331	44.5	2245
27×2×2.5	45.9	2549	45.5	2461
30×2×2.5	47.6	2789	47.2	2697
37×2×2.5	51.5	3289	51.1	3189

5、NH-KX-GSVVRP、NH-KX-GSVVRP2 耐火热电偶用补偿电缆

PVC insulated precision grade

fire-resistant thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSVVRP 型电缆		NH-KX-GSVVRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1	14.9	243	14.5	216
3×2×1	16.4	306	15.4	255
4×2×1	17.9	366	17.5	333
5×2×1	19.5	431	19.1	395
7×2×1	21.2	482	20.8	443
8×2×1	24.2	649	23.4	582
10×2×1	27.4	728	27.0	676
12×2×1	28.3	811	27.9	757
14×2×1	29.7	910	29.3	853
19×2×1	33.1	1109	32.7	1045
24×2×1	39.5	1467	39.1	1391
27×2×1	40.3	1589	39.9	1511
30×2×1	41.8	1730	41.4	1650
37×2×1	45.6	2053	45.2	1965
2×2×1.5	16.4	302	15.4	252
3×2×1.5	17.4	357	17.0	325
4×2×1.5	19.0	429	18.6	394
5×2×1.5	20.8	510	20.4	471
7×2×1.5	22.7	579	22.3	536
8×2×1.5	25.9	775	25.5	726
10×2×1.5	29.3	871	28.9	815
12×2×1.5	30.3	977	29.9	919
14×2×1.5	31.9	1101	31.5	1040
19×2×1.5	36.1	1403	35.1	1287
24×2×1.5	42.4	1786	42.0	1704
27×2×1.5	43.7	1981	42.9	1859
30×2×1.5	45.3	2160	44.9	2073
37×2×1.5	49.0	2525	48.6	2430

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSVVRP 型电缆		NH-KX-GSVVRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×2.5	18.2	382	17.8	348
3×2×2.5	19.3	456	18.9	420
4×2×2.5	21.2	557	20.8	517
5×2×2.5	23.2	665	22.8	621
7×2×2.5	25.7	787	25.3	739
8×2×2.5	28.9	1016	28.5	961
10×2×2.5	32.8	1152	32.4	1089
12×2×2.5	34.0	1302	33.6	1236
14×2×2.5	36.3	1523	35.3	1406
19×2×2.5	40.5	1888	40.1	1810
24×2×2.5	48.1	2452	47.7	2359
27×2×2.5	49.1	2675	48.7	2580
30×2×2.5	51.0	2928	50.6	2829
37×2×2.5	55.8	3517	54.8	3335



6、 NH-KX-GSVPVP、NH-KX-GSVP2VP2 型耐火热电偶用补偿电缆 PVC insulated precision grade fire-resistant thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSVPVP 型电缆		NH-KX-GSVP2VP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1	16.0	302	14.4	230
3×2×1	17.0	361	15.9	298
4×2×1	18.6	438	17.4	362
5×2×1	20.3	520	19.0	432
7×2×1	22.5	618	20.7	496
8×2×1	25.2	789	23.3	643
10×2×1	28.5	895	26.8	751
12×2×1	29.5	1009	27.7	847
14×2×1	31.0	1140	29.1	959
19×2×1	35.2	1460	32.5	1190
24×2×1	41.6	1891	38.8	1572
27×2×1	42.5	2060	39.7	1716
30×2×1	44.1	2251	41.2	1878
37×2×1	47.7	2641	44.9	2247
2×2×1.5	16.9	344	15.8	285
3×2×1.5	17.9	413	16.8	346
4×2×1.5	19.6	503	18.4	424
5×2×1.5	21.4	600	20.1	507
7×2×1.5	23.8	720	22.0	591
8×2×1.5	26.7	919	25.2	786
10×2×1.5	30.3	1048	28.5	892
12×2×1.5	31.3	1184	29.5	1012
14×2×1.5	33.5	1387	31.1	1150
19×2×1.5	37.3	1724	35.3	1485
24×2×1.5	44.2	2234	41.8	1929
27×2×1.5	45.2	2439	42.7	2110
30×2×1.5	46.9	2669	44.3	2310
37×2×1.5	50.7	3144	48.0	2725

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSVPVP 型电缆		NH-KX-GSVP2VP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×2.5	18.3	418	17.2	354
3×2×2.5	19.5	512	18.3	436
4×2×2.5	21.7	646	20.1	540
5×2×2.5	23.7	773	22.0	650
7×2×2.5	25.9	910	24.5	790
8×2×2.5	29.1	1158	27.6	1012
10×2×2.5	33.7	1373	31.3	1157
12×2×2.5	34.8	1559	32.4	1322
14×2×2.5	36.6	1768	34.7	1553
19×2×2.5	41.2	2255	38.8	1955
24×2×2.5	48.4	2870	46.0	2535
27×2×2.5	49.5	3148	47.1	2784
30×2×2.5	52.0	3519	48.8	3055
37×2×2.5	56.2	4160	53.5	3695

7、 NH-KX-GSVPVRP、NH-KX-GSVP2VRP2 型耐火热电偶用补偿电缆 PVC insulated precision grade fire-resistant thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSVPVRP 型电缆		NH-KX-GSVP2VRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1	16.6	318	15.0	243
3×2×1	17.6	378	16.5	312
4×2×1	19.3	459	18.1	380
5×2×1	21.0	543	19.8	454
7×2×1	23.3	644	21.6	518
8×2×1	26.2	828	24.7	698
10×2×1	29.7	937	28.0	787
12×2×1	30.7	1055	28.9	886
14×2×1	32.3	1193	30.4	1003
19×2×1	36.6	1524	34.0	1243
24×2×1	43.3	1976	40.6	1645
27×2×1	44.3	2153	41.5	1794
30×2×1	45.9	2351	43.4	2001
37×2×1	49.7	2757	47.0	2347
2×2×1.5	17.6	363	16.5	302
3×2×1.5	18.7	436	17.6	366
4×2×1.5	20.4	528	19.3	447
5×2×1.5	22.8	653	21.1	535
7×2×1.5	24.8	752	23.4	637
8×2×1.5	27.9	967	26.3	824
10×2×1.5	31.6	1097	29.9	935
12×2×1.5	33.3	1285	30.9	1060
14×2×1.5	35.0	1450	32.6	1204
19×2×1.5	39.0	1800	37.0	1549
24×2×1.5	46.3	2336	43.9	2017
27×2×1.5	47.3	2551	44.9	2206
30×2×1.5	49.1	2789	46.5	2414
37×2×1.5	53.7	3353	50.4	2842

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSVPVRP 型电缆		NH-KX-GSVP2VRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×2.5	19.3	446	18.3	381
3×2×2.5	20.6	544	19.5	467
4×2×2.5	23.0	688	21.4	575
5×2×2.5	25.1	822	23.8	711
7×2×2.5	27.4	958	26.1	831
8×2×2.5	30.9	1231	29.4	1076
10×2×2.5	35.7	1450	33.4	1223
12×2×2.5	37.0	1647	35.2	1442
14×2×2.5	39.3	1903	37.1	1640
19×2×2.5	43.8	2374	41.8	2090
24×2×2.5	52.1	3095	49.2	2671
27×2×2.5	53.3	3387	50.3	2930
30×2×2.5	55.3	3709	52.2	3214
37×2×2.5	59.8	4375	57.1	3878

8、NH-KX-GSYJPV、NH-KX-GSYJP2V 型耐火热电偶用补偿电缆

XLPE insulated precision

grade fire-resistant thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSYJPV 型电缆		NH-KX-GSYJP2V 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1	14.1	206	13.5	185
3×2×1	15.6	272	14.3	223
4×2×1	17.1	333	16.3	295
5×2×1	18.7	399	17.8	353
7×2×1	20.4	459	19.4	404
8×2×1	23.4	621	21.8	527
10×2×1	26.5	701	25.2	618
12×2×1	27.4	794	26.0	697
14×2×1	28.8	902	27.4	790
19×2×1	32.2	1125	30.5	980
24×2×1	38.5	1492	36.5	1303
27×2×1	39.3	1632	37.3	1423
30×2×1	40.8	1789	38.7	1557
37×2×1	44.5	2147	41.8	1830
2×2×1.5	15.6	262	14.3	217
3×2×1.5	16.6	320	15.8	287
4×2×1.5	18.2	394	17.4	354
5×2×1.5	19.9	474	19.0	425
7×2×1.5	21.7	551	20.7	492
8×2×1.5	24.9	740	23.7	660
10×2×1.5	28.2	839	26.9	749
12×2×1.5	29.2	956	27.8	850
14×2×1.5	30.7	1089	29.3	969
19×2×1.5	34.9	1412	32.7	1211
24×2×1.5	41.4	1841	39.1	1602
27×2×1.5	42.4	2019	39.9	1755
30×2×1.5	44.0	2214	41.4	1926
37×2×1.5	47.6	2615	45.3	2315

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSYJPV 型电缆		NH-KX-GSYJP2V 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×2.5	17.0	328	16.3	300
3×2×2.5	18.1	407	17.4	373
4×2×2.5	19.8	504	19.1	463
5×2×2.5	21.8	613	20.9	558
7×2×2.5	24.2	745	23.2	678
8×2×2.5	27.3	959	26.1	871
10×2×2.5	31.0	1097	29.7	997
12×2×2.5	32.1	1258	30.7	1142
14×2×2.5	34.4	1482	32.4	1306
19×2×2.5	38.4	1872	36.8	1698
24×2×2.5	45.7	2436	43.7	2209
27×2×2.5	46.7	2679	44.7	2428
30×2×2.5	48.5	2943	46.3	2667
37×2×2.5	53.1	3567	50.2	3164

9、NH-KX-GSYJPVR、NH-KX-GSYJP2VR 型耐火热电偶用补偿电缆

XLPE insulated precision

grade fire-resistant thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSYJPVR 型电缆		NH-KX-GSYJP2VR 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1	14.7	218	14.0	194
3×2×1	16.2	285	14.9	234
4×2×1	17.8	349	17.0	310
5×2×1	19.5	419	18.6	371
7×2×1	21.3	479	20.3	421
8×2×1	24.4	653	22.8	554
10×2×1	27.6	733	26.3	645
12×2×1	28.6	830	27.2	728
14×2×1	30.1	943	28.6	825
19×2×1	33.6	1173	32.0	1021
24×2×1	40.2	1558	38.2	1360
27×2×1	41.5	1740	39.0	1483
30×2×1	43.0	1905	40.5	1624
37×2×1	46.6	2240	44.2	1945
2×2×1.5	16.3	277	15.0	230
3×2×1.5	17.3	336	16.6	303
4×2×1.5	19.0	413	18.2	372
5×2×1.5	20.8	497	19.9	446
7×2×1.5	23.1	595	21.7	512
8×2×1.5	26.0	775	24.9	694
10×2×1.5	29.6	879	28.3	784
12×2×1.5	30.6	999	29.2	889
14×2×1.5	32.2	1137	30.8	1011
19×2×1.5	36.6	1471	34.4	1260
24×2×1.5	43.5	1923	41.1	1671
27×2×1.5	44.5	2106	42.4	1867
30×2×1.5	46.1	2308	44.0	2045
37×2×1.5	50.0	2723	47.6	2407

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSYJPVR 型电缆		NH-KX-GSYJP2VR 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×2.5	18.0	350	17.4	323
3×2×2.5	19.2	432	18.5	396
4×2×2.5	21.1	536	20.3	489
5×2×2.5	23.6	671	22.3	592
7×2×2.5	25.8	782	24.8	711
8×2×2.5	29.1	1019	27.9	924
10×2×2.5	33.1	1157	31.8	1052
12×2×2.5	34.9	1371	32.9	1201
14×2×2.5	36.7	1562	35.3	1417
19×2×2.5	41.4	1999	39.4	1776
24×2×2.5	48.8	2559	46.8	2318
27×2×2.5	49.9	2812	47.9	2544
30×2×2.5	51.8	3090	49.7	2793
37×2×2.5	56.7	3737	54.4	3378



10、 NH-KX-GSYJVP、NH-KX-GSYJVP2 耐火热电偶用补偿电缆 XLPE insulated precision grade fire-resistant thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSYJVP 型电缆		NH-KX-GSYJVP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1	13.6	205	13.2	180
3×2×1	14.4	238	14.0	212
4×2×1	16.3	306	15.3	255
5×2×1	17.7	358	17.3	325
7×2×1	19.3	401	18.9	365
8×2×1	21.6	519	21.2	478
10×2×1	24.8	603	24.0	535
12×2×1	25.6	669	24.8	598
14×2×1	26.9	748	26.5	697
19×2×1	29.9	908	29.5	851
24×2×1	35.0	1153	34.6	1086
27×2×1	35.7	1249	35.3	1180
30×2×1	37.7	1410	36.7	1288
37×2×1	40.7	1635	40.3	1557
2×2×1.5	14.4	239	14.0	212
3×2×1.5	15.3	283	14.9	254
4×2×1.5	17.3	363	16.9	331
5×2×1.5	18.9	430	18.5	395
7×2×1.5	20.6	489	20.2	450
8×2×1.5	23.0	627	22.6	583
10×2×1.5	26.5	733	26.1	682
12×2×1.5	27.4	820	27.0	768
14×2×1.5	28.8	922	28.4	867
19×2×1.5	32.0	1132	31.6	1071
24×2×1.5	38.2	1491	37.8	1418
27×2×1.5	39.0	1620	38.6	1545
30×2×1.5	40.4	1764	40.0	1687
37×2×1.5	44.1	2102	43.3	1978

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSYJVP 型电缆		NH-KX-GSYJVP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×2.5	16.4	324	15.4	273
3×2×2.5	17.4	389	17.0	357
4×2×2.5	19.0	472	18.6	437
5×2×2.5	20.8	564	20.4	525
7×2×2.5	22.7	655	22.3	612
8×2×2.5	25.9	861	25.5	812
10×2×2.5	29.3	979	28.9	923
12×2×2.5	30.3	1107	29.9	1049
14×2×2.5	31.9	1253	31.5	1192
19×2×2.5	36.1	1608	35.1	1492
24×2×2.5	42.8	2083	42.0	1964
27×2×2.5	43.7	2273	43.3	2189
30×2×2.5	45.3	2484	44.9	2397
37×2×2.5	49.0	2925	48.6	2830

11、NH-KX-GSYJVRP、NH-KX-GSYJVRP2 耐火热电偶用补偿电缆

XLPE insulated precision

grade fire-resistant thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSYJVRP 型电缆		NH-KX-GSYJVRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×1	14.1	215	13.7	189
3×2×1	15.0	250	14.6	222
4×2×1	17.0	321	16.0	268
5×2×1	18.5	376	18.1	342
7×2×1	20.1	417	19.7	380
8×2×1	22.6	546	22.2	503
10×2×1	25.9	629	25.5	580
12×2×1	26.8	698	26.4	647
14×2×1	28.1	780	27.7	727
19×2×1	31.3	944	30.9	885
24×2×1	37.3	1251	36.3	1131
27×2×1	38.1	1352	37.1	1229
30×2×1	39.5	1469	39.1	1393
37×2×1	42.7	1701	42.3	1618
2×2×1.5	15.1	253	14.7	225
3×2×1.5	16.6	318	15.6	267
4×2×1.5	18.2	383	17.8	350
5×2×1.5	19.8	451	19.4	414
7×2×1.5	21.6	509	21.2	468
8×2×1.5	24.6	681	23.8	614
10×2×1.5	27.9	767	27.5	714
12×2×1.5	28.8	855	28.4	800
14×2×1.5	30.3	962	29.9	905
19×2×1.5	33.7	1176	33.3	1111
24×2×1.5	40.2	1553	39.8	1475
27×2×1.5	41.1	1684	40.7	1605
30×2×1.5	42.6	1837	42.2	1754
37×2×1.5	46.5	2182	46.1	2092

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSYJVRP 型电缆		NH-KX-GSYJVRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×2.5	17.5	349	17.1	317
3×2×2.5	18.6	416	18.2	381
4×2×2.5	20.3	502	19.9	464
5×2×2.5	22.2	598	21.8	556
7×2×2.5	24.6	706	23.8	639
8×2×2.5	27.7	913	27.3	861
10×2×2.5	31.4	1032	31.0	972
12×2×2.5	32.5	1164	32.1	1101
14×2×2.5	34.2	1315	33.8	1249
19×2×2.5	38.7	1679	38.3	1605
24×2×2.5	45.9	2182	45.5	2093
27×2×2.5	46.9	2378	46.5	2287
30×2×2.5	48.7	2598	48.3	2504
37×2×2.5	52.7	3048	52.3	2945

12、 NH-KX-GSYJPVP、NH-KX-GSYJP2VP2 型耐火热电偶用补偿电缆

XLPE insulated

precision grade fire-resistant thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSYJPVP 型电缆		NH-KX-GSYJP2VP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重重 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重重 kg/km Approximate the weight of cable
2×2×1	15.3	274	13.7	205
3×2×1	16.2	323	14.5	244
4×2×1	17.7	390	16.5	318
5×2×1	19.3	462	18.0	379
7×2×1	21.0	529	19.6	432
8×2×1	24.0	701	22.0	559
10×2×1	27.1	792	25.4	655
12×2×1	28.0	889	26.2	736
14×2×1	29.4	1002	27.6	831
19×2×1	32.8	1237	30.7	1026
24×2×1	39.1	1626	36.7	1359
27×2×1	39.9	1769	37.5	1480
30×2×1	41.8	1969	38.9	1617
37×2×1	45.1	2303	42.0	1895
2×2×1.5	16.2	314	14.5	238
3×2×1.5	17.2	376	16.0	309
4×2×1.5	18.8	456	17.6	379
5×2×1.5	20.5	542	19.2	453
7×2×1.5	22.7	645	20.9	522
8×2×1.5	25.5	825	23.9	695
10×2×1.5	28.8	937	27.1	789
12×2×1.5	29.8	1057	28.0	892
14×2×1.5	31.3	1196	29.5	1013
19×2×1.5	35.5	1533	32.9	1261
24×2×1.5	42.0	1985	39.3	1663
27×2×1.5	43.0	2167	40.1	1816
30×2×1.5	44.6	2368	41.6	1990
37×2×1.5	48.2	2782	45.5	2385

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSYJPVP 型电缆		NH-KX-GSYJP2VP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×2.5	17.6	385	16.5	323
3×2×2.5	18.7	468	17.6	398
4×2×2.5	20.4	571	19.3	490
5×2×2.5	22.8	707	21.1	589
7×2×2.5	24.8	827	23.4	713
8×2×2.5	27.9	1054	26.3	910
10×2×2.5	31.6	1205	29.9	1043
12×2×2.5	33.3	1414	30.9	1189
14×2×2.5	35.0	1601	32.6	1355
19×2×2.5	39.4	2041	37.0	1754
24×2×2.5	46.3	2596	43.9	2276
27×2×2.5	47.3	2842	44.9	2497
30×2×2.5	49.1	3113	46.5	2738
37×2×2.5	53.7	3753	50.4	3242

13、 NH-KX-GSYJPVRP、NH-KX-GSYJP2VRP2 型耐火热电偶用补偿电缆 XLPE insulated  
precision grade fire-resistant thermocouple compensating cable

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSYJPVRP 型电缆		NH-KX-GSYJP2VRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重重 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重重 kg/km Approximate the weight of cable
2×2×1	15.9	288	14.2	214
3×2×1	16.8	339	15.1	256
4×2×1	18.4	409	17.2	334
5×2×1	20.1	485	18.8	398
7×2×1	21.9	552	20.5	451
8×2×1	25.0	736	23.0	588
10×2×1	28.2	829	26.5	684
12×2×1	29.2	929	27.4	769
14×2×1	30.7	1048	28.8	868
19×2×1	34.8	1336	32.2	1070
24×2×1	41.2	1735	38.4	1418
27×2×1	42.1	1885	39.2	1543
30×2×1	43.6	2055	40.7	1687
37×2×1	47.2	2403	44.4	2014
2×2×1.5	16.9	331	15.8	273
3×2×1.5	17.9	394	16.8	327
4×2×1.5	19.6	478	18.4	398
5×2×1.5	21.4	568	20.1	475
7×2×1.5	23.7	673	21.9	544
8×2×1.5	26.6	864	25.1	731
10×2×1.5	30.2	981	28.5	826
12×2×1.5	31.2	1105	29.4	933
14×2×1.5	32.8	1250	31.0	1058
19×2×1.5	37.2	1598	34.6	1313
24×2×1.5	44.1	2075	41.3	1734
27×2×1.5	45.1	2261	42.6	1932
30×2×1.5	46.7	2470	44.2	2113
37×2×1.5	50.6	2899	47.8	2481

续上表:

芯数×标称截面 mm <sup>2</sup> Number and nominal cross-sectional area of conductors	NH-KX-GSYJPVRP 型电缆		NH-KX-GSYJP2VRP2 型电缆	
	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable	电缆近似外径 Approximate overall diameter of cable/mm	电缆近似重量 kg/km Approximate the weight of cable
2×2×2.5	18.6	410	17.6	348
3×2×2.5	19.8	497	18.7	423
4×2×2.5	22.1	628	20.5	519
5×2×2.5	24.2	751	22.5	625
7×2×2.5	26.4	871	25.0	748
8×2×2.5	29.7	1120	28.1	967
10×2×2.5	34.3	1318	32.0	1100
12×2×2.5	35.5	1492	33.1	1251
14×2×2.5	37.3	1689	35.5	1471
19×2×2.5	42.0	2143	39.6	1837
24×2×2.5	49.4	2731	47.0	2390
27×2×2.5	50.5	2988	48.1	2618
30×2×2.5	53.0	3343	49.9	2870
37×2×2.5	57.3	3937	54.6	3462



# 本质安全回路用热电偶用补偿电缆

## The fifth chapter: Intrinsically safe circuit thermocouple compensation cable

### 一、 产品标准 Standard

本产品根据 GB/T 4989-2013 《热电偶用补偿导线》和 JB/T 7495-1994 《热电偶用补偿电缆》标准设计、生产和检测。同时还可根据客户的特殊要求进行设计、生产和检测。

This product according to GB/T 4989-2013 《the thermocouple with compensation lead》 and JB/T 7495-1994 the thermocouple with compensation cable》 design, manufacture and testing. At the same time also can according to the special requirements of customers design, production and testing.

### 二、 适用范围 Applications

本产品适用于化学、石油化工等有爆性气体和粉尘等恶劣环境下测控系统与本质安全电路。具有优异的防爆、抗干扰和屏蔽性能。

This product is suitable for chemical, petrochemical and other explosive gas and dust in harsh environments such as measurement and control system and intrinsically safe circuit. Excellent explosion-proof, anti-jamming and shielding performance.

### 三、 使用特性 Operating characteristics

1、 工作温度：聚氯乙烯绝缘本安型热电偶用补偿电缆长期允许工作温度为 70℃和 100℃，交联聚乙烯绝缘热电偶用补偿电缆长期允许工作温度为 90℃，氟塑料绝缘氟塑料护套热电偶用补偿电缆长期允许工作温度为 200℃。

Cable working temperature: PVC insulated thermocouple compensation cable conductor long allowed working temperature 70 °C and 100 °C , XLPE insulated thermocouple compensation cable conductor long allowed working temperature 90 °C , fluorine plastic insulated and sheathed thermocouple compensation cable conductor long allowed working temperature 200 °C .

2、 电缆护套一般为蓝色。Cable sheath generally blue.

3、 本安型热电偶用补偿电缆允许弯曲半径：

——有铜带屏蔽结构的补偿电缆，应不小于电缆外径的 16 倍；

——其他结构的补偿电缆，应不小于电缆外径的 10 倍。

Thermocouple compensation cable allows bending radius:

——the structure of the copper tape screened compensation cable, should not be less than 16 times of

cable diameter;

——other compensation cable structure, should be not less than 10 times of cable diameter。

#### 四、 产品型号及名称 Type of cable

表 1 产品型号及名称

Table 1 Type of cable

型号 Type	名称 Designation
ia-KX-GSVV	聚氯乙烯绝缘聚氯乙烯护套精密级单股导体 K 分度号本安型热电偶用补偿电缆 PVC insulated PVC sheathed precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-GSVPV	聚氯乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽精密级单股导体 K 分度号本安型热电偶用补偿电缆 PVC insulated PVC sheathed braiding individual screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-GSVVP	聚氯乙烯绝缘聚氯乙烯护套铜丝编织总屏蔽精密级单股导体 K 分度号本安型热电偶用补偿电缆 PVC insulated PVC sheathed braiding overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-GSVPVP	聚氯乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽和总屏蔽精密级单股导体 K 分度号本安型热电偶用补偿电缆 PVC insulated PVC sheathed braiding individual screen and overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-GSVP2V	聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽精密级单股导体 K 分度号本安型热电偶用补偿电缆 PVC insulated PVC sheathed copper tape individual screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-GSVVP2	聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包总屏蔽精密级单股导体 K 分度号本安型热电偶用补偿电缆 PVC insulated PVC sheathed copper tape overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-GSVP2VP2	聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽和总屏蔽精密级单股导体 K 分度号本安型热电偶用补偿电缆 PVC insulated PVC sheathed copper tape individual screen and overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable

续上表:

型号 Type	名称 Designation
ia-KX-GSVP3V	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape individual screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSVVP3	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包总屏蔽精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSVP3VP3	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽和总屏蔽精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape individual screen and overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSVPV22	<p>聚氯乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽钢带铠装精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed braiding individual screen steel tape armoured precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSVVP22	<p>聚氯乙烯绝缘聚氯乙烯护套铜丝编织总屏蔽钢带铠装精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed braiding overall screen steel tape armoured precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSVPVP22	<p>聚氯乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽和总屏蔽钢带铠装精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed braiding individual screen and overall screen steel tape armoured precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSVP2V22	<p>聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽钢带铠装精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed copper tape individual screen steel tape armoured precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSVVP2-22	<p>聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包总屏蔽钢带铠装精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed copper tape overall screen steel tape armoured precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>

续上表:

型号 Type	名称 Designation
ia-KX-GSVP2VP2-22	<p>聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽和总屏蔽钢带铠装精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed copper tape individual screen and overall screen steel tape armoured precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSVP3V22	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽钢带铠装精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape individual screen steel tape armoured precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSVVP3-22	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包总屏蔽钢带铠装精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape overall screen steel tape armoured precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSVP3VP3-22	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽和总屏蔽钢带铠装精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape individual screen and overall screen steel tape armoured precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSVVR	<p>聚氯乙烯绝缘聚氯乙烯护套精密级多股软导体 K 分度号本安型热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSVPVR	<p>聚氯乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽精密级多股软导体 K 分度号本安型热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed braiding individual screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSVVRP	<p>聚氯乙烯绝缘聚氯乙烯护套铜丝编织总屏蔽精密级多股软导体 K 分度号本安型热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed braiding overall screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>

续上表:

型号 Type	名称 Designation
ia-KX-GSVPVRP	<p>聚氯乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽和总屏蔽精密级多股软导体 K 分度号本安型热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed braiding individual screen and overall screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSVP2VR	<p>聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽精密级多股软导体 K 分度号本安型热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed copper tape individual screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSVVRP2	<p>聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包总屏蔽精密级多股软导体 K 分度号本安型热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed copper tape overall screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSVP2VRP2	<p>聚氯乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽和总屏蔽精密级多股软导体 K 分度号本安型热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed copper tape individual screen and overall screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSVP3VR	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽精密级多股软导体 K 分度号本安型热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape individual screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSVVRP3	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包总屏蔽精密级多股软导体 K 分度号本安型热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape overall screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSVP3VRP3	<p>聚氯乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽和总屏蔽精密级多股软导体 K 分度号本安型热电偶用补偿电缆</p> <p>PVC insulated PVC sheathed aluminum-plastic composite tape individual screen and overall screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>

续上表:

型号 Type	名称 Designation
ia-KX-GSYJV	交联聚乙烯绝缘聚氯乙烯护套精密级单股导体K分度号本安型热电偶用补偿电缆 XLPE insulated PVC sheathed precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-GSYJVP	交联聚乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽精密级单股导体K分度号本安型热电偶用补偿电缆 XLPE insulated PVC sheathed braiding individual screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-GSYJVP	交联聚乙烯绝缘聚氯乙烯护套铜丝编织总屏蔽精密级单股导体K分度号本安型热电偶用补偿电缆 XLPE insulated PVC sheathed braiding overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-GSYJVPV	交联聚乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽和总屏蔽精密级单股导体K分度号本安型热电偶用补偿电缆 XLPE insulated PVC sheathed braiding individual screen and overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-GSYJP2V	交联聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽精密级单股导体K分度号本安型热电偶用补偿电缆 XLPE insulated PVC sheathed copper tape individual screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-GSYJVP2	交联聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包总屏蔽精密级单股导体K分度号本安型热电偶用补偿电缆 XLPE insulated PVC sheathed copper tape overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-GSYJP2VP2	交联聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽和总屏蔽精密级单股导体K分度号本安型热电偶用补偿电缆 XLPE insulated PVC sheathed copper tape individual screen and overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-GSYJP3V	交联聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽精密级单股导体K分度号本安型热电偶用补偿电缆 XLPE insulated PVC sheathed aluminum-plastic composite tape individual screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable

续上表:

型号 Type	名称 Designation
ia-KX-GSYJVP3	<p>交联聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包总屏蔽精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed aluminum-plastic composite tape overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSYJP3VP3	<p>交联聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽和总屏蔽精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed aluminum-plastic composite tape individual screen and overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSYJVP22	<p>交联聚乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽钢带铠装精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed braiding individual screen steel tape armoured precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSYJVP22	<p>交联聚乙烯绝缘聚氯乙烯护套铜丝编织总屏蔽钢带铠装精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed braiding overall screen steel tape armoured precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSYJPVP22	<p>交联聚乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽和总屏蔽钢带铠装精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed braiding individual screen and overall screen steel tape armoured precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSYJP2V22	<p>交联聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽钢带铠装精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed copper tape individual screen steel tape armoured precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSYJVP2-22	<p>交联聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包总屏蔽钢带铠装精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed copper tape overall screen steel tape armoured precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>

续上表:

型号 Type	名称 Designation
ia-KX-GSYJP2VP2-22	<p>交联聚乙烯绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽和总屏蔽钢带铠装精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed copper tape individual screen and overall screen steel tape armoured precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSYJP3V22	<p>交联聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽钢带铠装精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed aluminum-plastic composite tape individual screen steel tape armoured precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSYJVP3-22	<p>交联聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包总屏蔽钢带铠装精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed aluminum-plastic composite tape overall screen steel tape armoured precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSYJP3VP3-22	<p>交联聚乙烯绝缘聚氯乙烯护套铝塑复合带绕包分屏蔽和总屏蔽钢带铠装精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed aluminum-plastic composite tape individual screen and overall screen steel tape armoured precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSYJVR	<p>交联聚乙烯绝缘聚氯乙烯护套精密级多股软导体 K 分度号本安型热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSYJPVR	<p>交联聚乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽精密级多股软导体 K 分度号本安型热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed braiding individual screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-GSYJVRP	<p>交联聚乙烯绝缘聚氯乙烯护套铜丝编织总屏蔽精密级多股软导体 K 分度号本安型热电偶用补偿电缆</p> <p>XLPE insulated PVC sheathed braiding overall screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>



续上表:

型号 Type	名称 Designation
ia-KX-GSYJPVRP	交联聚乙烯绝缘聚氯乙烯护套铜丝编织分屏蔽和总屏蔽精密级多股软导体 K 分度号本安型热电偶用补偿电缆 XLPE insulated PVC sheathed braiding individual screen and overall screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-HSFF	氟塑料绝缘氟塑料护套精密级单股导体 K 分度号本安型热电偶用补偿电缆 Fluorine plastic insulation and sheathed precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-HSFPF	氟塑料绝缘氟塑料护套铜丝编织分屏蔽精密级单股导体 K 分度号本安型热电偶用补偿电缆 Fluorine plastic insulation and sheathed braiding individual screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-HSFFP	氟塑料绝缘氟塑料护套铜丝编织总屏蔽精密级单股导体 K 分度号本安型热电偶用补偿电缆 Fluorine plastic insulation and sheathed braiding overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-HSFPFP	氟塑料绝缘氟塑料护套铜丝编织分屏蔽和总屏蔽精密级单股导体 K 分度号本安型热电偶用补偿电缆 Fluorine plastic insulation and sheathed braiding individual screen and overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-HSFP2F	氟塑料绝缘氟塑料护套铜塑复合带绕包分屏蔽精密级单股导体 K 分度号本安型热电偶用补偿电缆 Fluorine plastic insulation and sheathed copper tape individual screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-HSFP2	氟塑料绝缘氟塑料护套铜塑复合带绕包总屏蔽精密级单股导体 K 分度号本安型热电偶用补偿电缆 Fluorine plastic insulation and sheathed copper tape overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-HSFP2FP2	氟塑料绝缘氟塑料护套铜塑复合带绕包分屏蔽和总屏蔽精密级单股导体 K 分度号本安型热电偶用补偿电缆 Fluorine plastic insulation and sheathed copper tape individual screen and overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable

续上表:

型号 Type	名称 Designation
ia-KX-HSFP3F	氟塑料绝缘氟塑料护套铝塑复合带绕包分屏蔽精密级单股导体K分度号本安型热电偶用补偿电缆 Fluorine plastic insulation and sheathed aluminum-plastic composite tape individual screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-HSFFP3	氟塑料绝缘氟塑料护套铝塑复合带绕包总屏蔽精密级单股导体K分度号本安型热电偶用补偿电缆 Fluorine plastic insulation and sheathed aluminum-plastic composite tape overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-HSFP3FP3	氟塑料绝缘氟塑料护套铝塑复合带绕包分屏蔽和总屏蔽精密级单股导体K分度号本安型热电偶用补偿电缆 Fluorine plastic insulation and sheathed aluminum-plastic composite tape individual screen and overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-HSFFR	氟塑料绝缘氟塑料护套精密级多股软导体K分度号本安型热电偶用补偿电缆 Fluorine plastic insulation and sheathed precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-HSFPFR	氟塑料绝缘氟塑料护套铜丝编织分屏蔽精密级多股软导体K分度号本安型热电偶用补偿电缆 Fluorine plastic insulation and sheathed sheathed braiding individual screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-HSFFRP	氟塑料绝缘氟塑料护套铜丝编织总屏蔽精密级多股软导体K分度号本安型热电偶用补偿电缆 Fluorine plastic insulation and sheathed braiding overall screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-HSFPFRP	氟塑料绝缘氟塑料护套铜丝编织分屏蔽和总屏蔽精密级多股软导体K分度号本安型热电偶用补偿电缆 Fluorine plastic insulation and sheathed braiding individual screen and overall screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-HSFP2FR	氟塑料绝缘氟塑料护套铜塑复合带绕包分屏蔽精密级多股软导体K分度号本安型热电偶用补偿电缆 Fluorine plastic insulation and sheathed copper tape individual screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable

续上表:

型号 Type	名称 Designation
ia-KX-HSFFRP2	<p>氟塑料绝缘氟塑料护套铜塑复合带绕包总屏蔽精密级多股软导体K分度号本安型热电偶用补偿电缆</p> <p>Fluorine plastic insulation and sheathed copper tape overall screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-HSFP2FRP2	<p>氟塑料绝缘氟塑料护套铜塑复合带绕包分屏蔽和总屏蔽精密级多股软导体K分度号本安型热电偶用补偿电缆</p> <p>Fluorine plastic insulation and sheathed copper tape individual screen and overall screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-HSFP3FR	<p>氟塑料绝缘氟塑料护套铝塑复合带绕包分屏蔽精密级多股软导体K分度号本安型热电偶用补偿电缆</p> <p>Fluorine plastic insulation and sheathed aluminum-plastic composite tape individual screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-HSFFRP3	<p>氟塑料绝缘氟塑料护套铝塑复合带绕包总屏蔽精密级多股软导体K分度号本安型热电偶用补偿电缆</p> <p>Fluorine plastic insulation and sheathed aluminum-plastic composite tape overall screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-HSFP3FRP3	<p>氟塑料绝缘氟塑料护套铝塑复合带绕包分屏蔽和总屏蔽精密级多股软导体K分度号本安型热电偶用补偿电缆</p> <p>Fluorine plastic insulation and sheathed aluminum-plastic composite tape individual screen and overall screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-HSFG	<p>氟塑料绝缘硅橡胶护套精密级单股导体K分度号本安型热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-HSFPG	<p>氟塑料绝缘硅橡胶护套铜丝编织分屏蔽精密级单股导体K分度号本安型热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed braiding individual screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>

续上表:

型号 Type	名称 Designation
ia-KX-HSFGP	<p>氟塑料绝缘硅橡胶护套铜丝编织总屏蔽精密级单股导体K分度号本安型热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed braiding overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-HSFPGP	<p>氟塑料绝缘硅橡胶护套铜丝编织分屏蔽和总屏蔽精密级单股导体K分度号本安型热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed braiding individual screen and overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-HSFP2G	<p>氟塑料绝缘硅橡胶护套铜塑复合带绕包分屏蔽精密级单股导体K分度号本安型热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed copper tape individual screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-HSFGP2	<p>氟塑料绝缘硅橡胶护套铜塑复合带绕包总屏蔽精密级单股导体K分度号本安型热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber copper tape overall screen sheathed precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-HSFP2GP2	<p>氟塑料绝缘硅橡胶护套铜塑复合带绕包分屏蔽和总屏蔽精密级单股导体K分度号本安型热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed copper tape individual screen and overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-HSFP3G	<p>氟塑料绝缘硅橡胶护套铝塑复合带绕包分屏蔽精密级单股导体K分度号本安型热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed aluminum-plastic composite tape individual screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-HSFGP3	<p>氟塑料绝缘硅橡胶护套铝塑复合带绕包总屏蔽精密级单股导体K分度号本安型热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber aluminum-plastic composite tape overall screen sheathed precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>

续上表:

型号 Type	名称 Designation
ia-KX-HSFP3GP3	<p>氟塑料绝缘硅橡胶护套铝塑复合带绕包分屏蔽和总屏蔽精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed aluminum-plastic composite tape individual screen and overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-HSFGR	<p>氟塑料绝缘硅橡胶护套精密级多股软导体 K 分度号本安型热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-HSFPGR	<p>氟塑料绝缘硅橡胶护套铜丝编织分屏蔽精密级多股软导体 K 分度号本安型热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed braiding individual screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-HSFGRP	<p>氟塑料绝缘硅橡胶护套铜丝编织总屏蔽精密级多股软导体 K 分度号本安型热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed braiding overall screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-HSFPGRP	<p>氟塑料绝缘硅橡胶护套铜丝编织分屏蔽和总屏蔽精密级多股软导体 K 分度号本安型热电偶用补偿电缆</p> <p>Fluorine plastic insulation and silicon rubber sheathed braiding individual screen and overall screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-HSFV	<p>氟塑料绝缘聚氯乙烯护套精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>Fluorine plastic insulation and PVC sheathed precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-HSFPV	<p>氟塑料绝缘聚氯乙烯护套铜丝编织分屏蔽精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>Fluorine plastic insulation and PVC sheathed braiding individual screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>
ia-KX-HSFVP	<p>氟塑料绝缘聚氯乙烯护套铜丝编织总屏蔽精密级单股导体 K 分度号本安型热电偶用补偿电缆</p> <p>Fluorine plastic insulation and PVC sheathed braiding overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable</p>

续上表:

型号 Type	名称 Designation
ia-KX-HSFVP2	氟塑料绝缘聚氯乙烯护套铜塑复合带绕包总屏蔽精密级单股导体 K 分度号本安型热电偶用补偿电缆 Fluorine plastic insulation and PVC sheathed copper tape overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-HSFP2VP2	氟塑料绝缘聚氯乙烯护套铜塑复合带绕包分屏蔽和总屏蔽精密级单股导体 K 分度号本安型热电偶用补偿电缆 Fluorine plastic insulation and PVC sheathed copper tape individual screen and overall screen precision grade single stranded conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-HSFVR	氟塑料绝缘聚氯乙烯护套精密级多股软导体 K 分度号本安型热电偶用补偿电缆 Fluorine plastic insulation and PVC sheathed precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-HSFPVR	氟塑料绝缘聚氯乙烯护套铜丝编织分屏蔽精密级多股软导体 K 分度号本安型热电偶用补偿电缆 Fluorine plastic insulation and PVC sheathed braiding individual screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-HSFVRP	氟塑料绝缘聚氯乙烯护套铜丝编织总屏蔽精密级多股软导体 K 分度号本安型热电偶用补偿电缆 Fluorine plastic insulation and PVC sheathed braiding overall screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable
ia-KX-HSFPVRP	氟塑料绝缘聚氯乙烯护套铜丝编织分屏蔽和总屏蔽精密级多股软导体 K 分度号本安型热电偶用补偿电缆 Fluorine plastic insulation and PVC sheathed braiding individual screen and overall screen precision grade multi-strand soft conductor number K dividing intrinsically safe circuit thermocouple compensating cable
备注: 1、其它型号补偿电缆 EX、SC、KC、NC、NX、BC、TX、JX, 只需改写型号的第一项, 如 EX-GSVPV 等。 2、阻燃分为成束 A、B、C 类阻燃, 分别表示为 ZA、ZB、ZC, 一般不注明 (ZR) 等级则为 C 类。 Note: 1, the other model thermocouple compensating cable EX, SC, KC, NC, NX, BC, TX, JX, only need to rewrite the model first, such as the EX - GSVPV 2、flame retardant is divided into bundles of A, B, C flame retardant, are expressed as ZA, ZB,ZC, generally does not indicate (ZR) level for the C class.	

## 五、产品结构尺寸 Cable structure size

参照相应的热电偶补偿电缆 Refer to the corresponding thermocouple compensating cable.

## 热电偶用补偿电缆的命名及代号

### The sixth chapter: name and code of thermocouple compensation cable

#### 系列代号 Series code

精密级 Precision grade.....	S
一般用 For general use.....	G
耐热用 Heat resistant.....	H

#### 缘材料代号 Code of insulating material

聚氯乙烯 PVC.....	V
聚乙烯 Polyethylene.....	Y
交联聚乙烯 XLPE.....	YJ
硅橡胶 Silicone rubber.....	G
氟塑料 Fluorine plastic.....	F

#### 屏蔽材料代号 Code of screen material

铜丝编织屏蔽 Copper braid screen.....	P
镀锡铜丝编织屏蔽 Tinned copper wire braid screen.....	P1
铜带屏蔽 copper tape screen.....	P2
铝/塑复合薄膜屏蔽 aluminum-plastic composite tape screen.....	P3

#### 铠装材料代号 Code of armored material

镀锌钢带铠装 Galvanized steel armoured.....	2
钢丝铠装 Steel wire armoured.....	3
钢丝编织铠装 Steel wire braid armoured.....	9

#### 护套材料代号 Code of sheath material

聚氯乙烯 PVC.....	V
聚乙烯或聚烯烃 Polyethylene or polyolefin.....	Y
硅橡胶 Silicone rubber.....	G
氟塑料 Fluorine plastic.....	F
聚氯乙烯 PVC.....	2
聚乙烯或聚烯烃外 Polyethylene or polyolefin.....	3

#### 特征代号

多股 multi-strand.....	R
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阻燃Flame retardant.....	Z
耐火fire-resistant.....	NH
低烟无卤halogen-free and low smoke.....	WD



## 热电偶用补偿电缆主要技术指标

The seventh chapter: the main technical indicators

thermocouple compensation cable

### 1、补偿导线的产品品种及产品型号 Compensation conductor of varieties of products and product model

表1 补偿导线的产品品种及产品型号

Table 1 Compensation conductor of varieties of products and product model

产品名称	型号	配用热电偶	热电偶分度号
铜-铜镍 0.6 补偿型导线	SC 或 RC	铂铑 10-铂热电偶 铂铑 13-铂热电偶	S 或 R
铁-铜镍 22 补偿型导线 铜-铜镍 40 补偿型导线 镍铬 10-镍硅 3 延长型导线	KCA KCB KX	镍铬-镍硅热电偶	K
铁-铜镍 18 补偿型导线 镍铬 14 硅-镍硅延长型导线	NC NX	镍铬硅-镍硅热电偶	N
镍铬 10-铜镍延长型导线	EX	镍铬-铜镍热电偶	E
铁-铜镍 45 延长型导线	JX	铁-铜镍热电偶	J
铜-铜镍 45 延长型导线	TX	铜-康铜热电偶	T

### 2、合金丝的名称及代号 The name alloy wire and code

表2 合金丝的名称及代号

Table 2 The name alloy wire and code

热电偶分度号	补偿导线型号	补偿导线合金丝名称	正极		负极	
			名称	代号	名称	代号
S	SC	铜-铜镍 0.6	铜	SPC	铜镍 0.6	SNC
R	RC	铜-铜镍 0.6	铜	RPC	铜镍 0.6	RNC
K	KCA	铁-铜镍 22	铁	KPGA	铜镍 22	KNCA
K	KCB	铜-铜镍 40	铜	KPGB	铜镍 40	KNCB
K	KX	镍铬 10-镍硅 3	镍铬 10	KPX	镍硅 3	KNX
N	NC	铁-铜镍 18	铁	NPC	铜镍 18	NNC
N	NX	镍铬 14 硅-镍硅 4	镍铬 14 硅	NPX	镍硅 4	NNX
E	EX	镍铬 10-铜镍 45	镍铬 10	EPX	铜镍 45	ENX
J	JX	铁-铜镍 45	铁	JPX	铜镍 45	JNX
T	TX	铜-铜镍	铜	TPX	铜镍 45	TNX

注：热电偶分度号字母标记：

S——铂铑10—铂热电偶； R——铂铑13—铂热电偶； K——镍铬—镍硅热电偶； N——镍铬硅—镍硅热电偶； E——镍铬—铜镍热电偶； J——铁—铜镍热电偶； T——铜—铜镍热电偶。

### 3、 补偿导线的绝缘层和护套着色 Compensation wire insulation and sheathing coloring

表3 补偿导线的绝缘层和护套着色

Table 3 Compensation wire insulation and sheathing coloring

补偿导线型号	绝缘着色		护套着色			
	正极	负极	一般用		耐热用	
			普通级	精密级	普通级	精密级
SC 或 RC	红	绿	黑	灰	黑	黄
KCA	红	蓝	黑	灰	黑	黄
KCB	红	蓝	黑	灰	黑	黄
KX	红	黑	黑	灰	黑	黄
NC	红	灰	黑	灰	黑	黄
NX	红	灰	黑	灰	黑	黄
EX	红	棕	黑	灰	黑	黄
JX	红	紫	黑	灰	黑	黄
TX	红	白	黑	灰	黑	黄

### 4、 热电动势范围及允差 The thermoelectric range and tolerance.

表4 热电动势范围及允差

Table 4 The thermoelectric range and tolerance

热电偶分度号	补偿导线型号	热电动势及允差						热电偶测量端温度℃
		100			200			
		热电动势标称值 $\mu V$	允差 $\mu V$		热电动势标称值 $\mu V$	允差 $\mu V$		
普通级	精密级		普通级	精密级				
S 或 R	SC 或 RC	646	$\pm 60$	$\pm 30$	1441	$\pm 60$	$\pm$	1000
K	KC	4096	$\pm 88$	$\pm 44$	—	—	—	900
	KX	4096	$\pm 88$	$\pm 44$	8138	$\pm 88$	$\pm 44$	900
N	NC	2774	$\pm 86$	$\pm 43$	5913	$\pm 86$	$\pm 43$	900
	NX	2774	$\pm 86$	$\pm 43$	5913	$\pm 86$	$\pm 43$	900
E	EX	6319	$\pm 138$	$\pm 81$	13421	$\pm 138$	$\pm 81$	500
J	JX	5269	$\pm 123$	$\pm 62$	10779	$\pm 123$	$\pm 62$	500
T	TX	4279	$\pm 90$	$\pm 48$	9288	$\pm 90$	$\pm 48$	300

### 5、 20℃时往复电阻值 Reciprocating resistance at 20degrees

表 5 20℃时往复电阻值

Table 5 Reciprocating resistance at 20degrees

补偿导线型号	0.5mm <sup>2</sup>	1.0mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>
	在 20℃时往复电阻值 Ω/m			
SC 或 RC	0.10	0.05	0.03	0.02
KCA	1.40	0.70	0.47	0.28
KCB	1.04	0.52	0.35	0.21
KX	2.20	1.10	0.73	0.44
NC	1.50	0.75	0.50	0.30
NX	2.86	1.43	0.95	0.57
EX	2.50	1.25	0.83	0.50
JX	1.30	0.65	0.43	0.26
TX	1.04	0.52	0.35	0.21
BC	0.10	0.05	0.03	0.02

6、成品电缆经受工频交流电压 500V/1min 试验，电缆应不击穿。

Cable suffered power frequency ac voltage 500V/1min, cable should be no breakdown.

7、对于成束阻燃型电缆，其阻燃等级要求符合 GB/T19666 的规定，并通过 GB/T18380 规定的相应阻燃等级的火焰条件下的燃烧试验。客户没有提出阻燃等级要求的按 C 类阻燃电缆生产。

For into a bunch of flame retardant cable, the flame retardant grade requirements in accordance with GB/T19666 regulations, and through the corresponding flame retardant grade of GB/T18380 provisions of flame combustion under the condition of test。Customer haven't come up with flame retardant grade requirements according to the C class of flame retardant cable production。

8、对于耐火型电缆，其耐火等级要求符合 GB/T19666 的规定，并通过 GB/T19216 规定的相应耐火等级的火焰条件下的电缆的线路完整性燃烧试验。

For fire-resistant cable, the fire resistance rating requirements in accordance with GB/T19666 regulations, and through the corresponding fire resistance rating of GB/T19216 regulations of flame under the condition of the circuit integrity of the cable fire test。

9、对于低烟无卤型电缆，其无卤性能符合 GB/T17650 规定的要求，低烟性能符合 GB/T17651 规定的要求。For halogen-free and low smoke ccable, the halogen-free performance in line with the GB/T17650 requirements, low smoke performance meets the GB/T17651 requirements。