

特种电缆

- 1、补偿电缆
- 2、聚全氟乙丙烯绝缘硅橡胶护套特种高温电缆
- 3、硅橡胶电力电缆
- 4、隔层电缆
- 5、核电站用 1E 级 K3 类电缆

射频电缆

第安电缆

补偿导线、补偿电缆

Compensated wire. Compensated Cable

1、执行标准

本产品技校指标符合 IEC584-3、GB/T4989-1994 标准

2、使用特性

工作温度：耐热级：最高 200℃和 260℃

普通级：最高 70℃和 105℃

最低环境温度：氟塑料绝缘和护套线缆：固定敷设-60℃

非固定敷设-20℃

最小弯曲半径：聚氯乙烯绝缘和护套非铠装线缆不小于电缆外径的 6 倍，氟塑料绝缘和护套非铠装线缆外径的 10 倍，铠装电缆不小于电缆外径的 12 倍。

3、产品用途

补偿导线、补偿电缆与热电偶配套，用于电力、冶金、石油、化工、轻纺等厂矿及科研部门中的温度测量和控制系统。

1、STANDARD IMPLEMENTED

The technical data of the product is up to IEC 584-3 and G B/T4989-1994.

2、SERVICE CHARACTERISTICS

Operating temp: for heat resisting degree; two max values 200℃ and 260℃for common degree.
two max values : 70℃ and 105℃

The lowest ambient temp: for fluoroplastics insulated and sheaf hed cables :-60%’ : fixed laying-20℃.unfixed laying

The rain bend radius: for PVC insulated and sheathed unarmored Cables. $\geq 6 \times$ outer diam.
For fluoroplastics insulated and sheathed unarmored cables. $\geq 10 \times$ outer diam. For armored cables $\geq 12 \times$ outer diarn.

3、APPLICATION

With an outfit era thermal couple. compensated wires and cables can be applied to temperature measuring and controlling system sin power m-etallurgy. petrol chemical industry. light indnstry and scientific resea-rch departments.

1、合金丝 Alloy wire

2、绝缘层 Insulation layer

3、绕包带 Wrapping taper

4、填充 Filler

5、屏蔽 Screen layer

6、外护套 Outer sheath

补偿导线、补偿电缆与配用热电偶见下表：

Compensated wire. compensated cable and equipped thermal couple to see table:

表 1 补偿导线合金丝和绝缘层颜色

Table 1 alloy wire of compensated conductor and color of insulation

补偿导线型号 Types of compensated wire	补偿导线合金丝 Alloy wire of compensated conductor		补偿导线绝缘层着色 COLOR of compensated cables		配用热电偶的分度号 Graduated number of equipped thermal couple
	正级 Positive pole	负极 Negative pole	正级 Positive pole	负极 Negative pole	
SC	SPC(铜) (Cu)	ENX(铜镍) (Copper nickel)	红 red	绿 green	S(铂铑10—铂) S(P+Ph10-P+)
KCA	KPCA(铁) (Fe)	KNCA(铜镍) (Copper nickel)	红 red	蓝 blue	K(镍铬—镍硅) K(Nichrom10-Pt)
KCB	KPCB(铜) (Cu)	KNCB(铜镍) (Copper nickel)	红 red	蓝 blue	K(镍铬—镍硅) K(Nichrome-Nisi)
KX	KPX(镍铬) (Nichrone)	LNX(铜镍) (Copper nickel)	红 red	黑 black	E(镍铬—镍硅) K(Nichrome-Nisi)
EX	EPX(镍铬) (Nichrone)	ENX(铜镍) (Copper nickel)	红 red	棕 brown	E(镍铬—镍硅) E(Nichrome-Coppernickel)
JX	JPX(铁) (Fe)	JNX(铜镍) (Copper nickel)	红 red	紫 purple	J(铁—铜镍) J(Fe-coopernickel)
TX	TPX(铜) (Cu)	TNX(铜镍) (Copper nickel)	红 red	白 white	T(铜—康铜) T(Cu-copper)
NC	NPC(铁) (Fe)	NNC(铜镍) (Copper nickel)	红 red	灰 grey	N(镍铬硅—镍硅) N(nichrosi-Nisi)

注：补偿导线型号第一个字母与热电偶的分度号对应，第二个字母中“X”表示延伸型补偿导线(与热电偶材料相同)“C”表示补偿型补偿导线。

The first number of compensated wire type accords with the graduated number of thermal couple. For the second letter. "X" stands for extension compensated wire(the same with thermal couple material)and "C" stands for compensation compensated wire.

表2 补偿导线，补偿电缆的分类，待续及护层着色

Table 2 Classification ratings and color of sheath of compensated Wires and cables

使用分类及标志 Classification and symbol		适用温度范围 Temp applicability	允差等级标志 Symbols for permitted allowance		主要绝缘材料 Major insulant
分类 Classification	标志 symbol		精密级 Accuracy	普通级 Common	
一般用 General use (G)	G	-20°C ~ 105°C	A	B	聚氯乙烯(V) PVC
耐热用 Heat-resisting use	H	-40°C ~ 260°C			氟合物(F) Polymer

使用分类 Classification of usage	精度等级及标志 Accuracy ratings and symbols		护套的着色 Color of sheath		
	普通级 Common	精密级 Accuracy	普通级 Common	精密级 Accuracy	本安电缆 Cables used for essential safety
一般用 General use (G)	B	A	黑色 Black	灰色 Grey	蓝色 Blue
耐热用 Heat-resisting use			黑色 Black	黄色 Yellow	蓝色 Blue

表 3 热电动势及允差

Table 3 Thermoelectricity and permitted Allowance

型号 Type	热电动势及允差 Thermoelectricity and permitted allowance					
	热电动势 (mV) Thermoelectricity	100°C		热电动势 (mV) Thermoelectricity	200°C	
		允差 permitted allowance			允差 permitted allowance	
		普通级 Common	精密级 Accuracy		普通级 Common	精密级 Accuracy
SC	0.645	$\pm 60 \mu V (\pm 5^\circ C)$	$\pm 30 \mu V (\pm 2.5^\circ C)$	1.440	$\pm 60 \mu V (\pm 5^\circ C)$	
KCB	4.095	$\pm 100 \mu V (\pm 2.5^\circ C)$	$\pm 60 \mu V (\pm 1.5^\circ C)$			
KCA KX	4.095	$\pm 100 \mu V (\pm 2.5^\circ C)$	$\pm 60 \mu V (\pm 1.5^\circ C)$	8.137	$\pm 100 \mu V (\pm 2.5^\circ C)$	$\pm 60 \mu V (\pm 1.5^\circ C)$
EX	6.317	$\pm 200 \mu V (\pm 2.5^\circ C)$	$\pm 120 \mu V (\pm 1.5^\circ C)$	13.419	$\pm 200 \mu V (\pm 2.5^\circ C)$	$\pm 120 \mu V (\pm 1.5^\circ C)$
NC	2.774	$\pm 100 \mu V (\pm 2.5^\circ C)$	$\pm 60 \mu V (\pm 1.5^\circ C)$	5.912	$\pm 100 \mu V (\pm 2.5^\circ C)$	$\pm 60 \mu V (\pm 1.5^\circ C)$
JX	5.268	$\pm 140 \mu V (\pm 2.5^\circ C)$	$\pm 85 \mu V (\pm 1.5^\circ C)$	10.777	$\pm 140 \mu V (\pm 2.5^\circ C)$	$\pm 85 \mu V (\pm 1.5^\circ C)$
TX	4.277	$\pm 60 \mu V (\pm 1.0^\circ C)$	$\pm 30 \mu V (\pm 0.5^\circ C)$	9.286	$\pm 90 \mu V (\pm 1.0^\circ C)$	$\pm 48 \mu V (\pm 0.8^\circ C)$

4、补偿导线、补偿电缆的线芯规格、结构等参见下表：

Specifications and structures of compensated wires and cables

分类 Classification	线芯结构 Structure			绝缘厚度 Thickness of nsulant mm	护套厚度 Thickness of nsulant mm	20°C时最小 绝缘电阻 M ω .km A+20°C the lo- west	耐电压试 验 V/1 min Voltage with stand test	电缆线对 数 Pair number of cable
	截面 (mm ²) Cross	根/直径 (mm) Cord/diam	根/直径 (mm) Cord/diam					

	section					insulation resistance		lines
一般用 For general usage	0.5	1/0.80	7/0.30	0.5	0.8~1.5	25	1000	1-19 对 1-19PAIR (S)
	1.0	1/1.13	7/0.43	0.7				
	1.5	1/1.37	7/0.52	0.7				
	2.5	1/1.76	19/0.4	0.7				
耐热用 Use for thermal	0.5	1/0.80	7/0.30	0.4	0.8~1.5	500	1000	1-19 对 1-19PAIR (S)
	1.0	1/1.13	7/0.43	0.4				
	1.5	1/1.37	7/0.52	0.4				
	2.0	1/1.76	19/0.41	0.4				

■ 型号说明 DESCRIPTION OF TYPE

规格 specificatin

导体种类 kind of conductor

屏蔽形式 screening methods

铠装材料 armoring material

护套材料 sheathing material

屏蔽材料 screening material

绝缘材料 insulant

耐热等级 thermal rating

分类和精度 classification and accuracy type

型号 type

项目 Items		代码 Codes	说明 Descriptions
型号 Types		SC	配用 S 分度号热电偶的补偿型补偿线缆 Compensation compensated cables to be equipped with thermal couples of graduated number S
		KCAKCB	配用 K 分度号热电偶的补偿型补偿线缆 Compensation compensated cables. to be equipped with thermal couples of graduated number K
		KX	配用 K 分度号热电偶的延长型补偿线缆 Extension compensated cables. to be equipped with thermal couples of graduated number K
		EX	配用 E 分度号热电偶的延长型补偿线缆 Extension compensated cables. to be equipped with thermal couples of graduated number E
		JX	配用 J 分度号热电偶的延长型补偿线缆 Extension compensated cables. to be equipped with thermal couples of graduated number J
		TX	配用 T 分度号热电偶的延长型补偿线缆 Extension compensated cables. to be equipped with thermal couples of graduated number T
		NC	配用 N 分度号热电偶的补偿型补偿线缆 Compensation compensated cables to be equipped with thermal couples of graduated number N
分类和精度 Classification and accuracy	使用分类 Usage classification	G	一般温度使用(不超过 105℃) To be used at general temp not exceeding 105℃
		H	高温使用 To be used at high temp.
	精度 Accuracy	A	热电势允差为普通级可省略 Can be omitted if the permitted allowance of thermoelectricity is common degree 热电势允差为精密级 The permitted allowance is accuracy degree
耐热等级 Thermal rating		/	最高使用温度为 70℃可省略 Can be omitted at the max temp of 70℃
		105	最高使用温度为 105℃可 max operating temp is 105℃
		200	最高使用温度为 200℃可 max operating temp is 200℃
		260	最高使用温度为 260℃可 max operating temp is 260℃
绝缘材料 Insulant		V	聚氯乙烯 PVC
		F	聚全氟乙丙烯 (F ₄₆) 或可溶性聚四氟乙烯 (PFA) F ₄₆ or melttable polytetrafluoroethylene (PFA)

项目 Items	代码 Codes	说明 Descriptions
屏蔽材料 Screening material	/	无屏蔽可省略 Can be omitted for non-screened cables
	P	铜丝编织 Cu wire woven
	P1	镀锡铜丝编织 Tinned Cu wire woven
	P3	铝/聚酯复合膜 Al/polyester combined tape
屏蔽材料 Screening material	V	聚氯乙烯 PVC
	F	聚全氟乙丙烯(F46)或可溶性聚四氟乙烯(PFA) F46 and meltable PFA
	B	玻璃丝编织 Glass thread woven
	ZR	要求阻燃应在型号前加 ZR(包括绝缘) Add ZR before types if requiring flame-retardant
	1A	本安电路用应在型号前加 1A Add IA before types for cables used for essential
屏蔽材料 Screening material	22	钢带铠装 Steel tape armored
	32	细钢丝铠装 Thin steel wire armored
导体种类 Kind of conductor	A	单股导体 Unistrand conductor
	R	多股导体 Multi-Stranded conductor
规格 Specifications		补偿导线填写: $2 \times$ 导体截面 ($2 \times S$) Fill in compensated cables: $2 \times 2 \times$ crosssection ($2 \times S$) 补偿电缆填写: 芯数 \times ($2 \times$ 导体截面) $N \times (2 \times S)$ Fill in compensated wires: ($2 \times$ crosssection) $N \times (2 \times S)$ N: 1、2、3、4、5、6、7、8、9、10、12、14、16、19 S: 0.5、0.75、1.0、1.5、2.5 (mm^2)

例 1: 配用 K 分度号的耐温 200℃ 精密度, 延长型单股截面 1.5mm^2 热电偶补偿导线表示为: KX-A200-FFA 2x1.5

例 2: 配用 S 分度号一般精密级耐温 105℃ 补偿型多股截面 1.0mm^2 铝复合膜分对屏蔽的五对热电偶补偿电缆表示为: SC-GA105-VP3VP 5x(2x1.0)

Example 1: compensated wire to be equipped with an extension unistranded thermal couple of graduated number K. A heat resisting temp of 200°C. A section of 1.5mm^2 accuracy rating can be expressed in the following way: KX-A200-FFA 2X 1.5 Example 2: A compensated wire to be equipped with a compensation five-pair stranded thermal couple of graduated number S. with a section of 1.0mm^2 a heat resisting and temp of 105°C and general accuracy rating AI combined film divided screen can be expressed in the following way: SC-GAI05-VP3VP 5X(2X 1.0)

■ 型号及名称 TYPES & DESCRIPTIONS

表 5 补偿导线型号与名称

Table 5 types and descriptions of compensated cables

型号 Types	产品名称 Descriptions	备注 Remarks	
KX-VV	聚氯乙烯绝缘和护套普通级 K 分度热电偶用补偿导线 PVC insulated and sheathed compensated wire to be equipped with a common rating thermal couple of graduated number K		
KX-VPV	聚氯乙烯绝缘和护套铜丝编织屏蔽普通级 K 分度热电偶用屏蔽补偿导线 PVC insulated and sheathed Cu wire woven screen compensated wire. to be thermal couple of graduated number K		
KX-FF	氟塑料绝缘和护套普通级 K 分度电偶用补偿导线 Fluoroplastics insulated and sheathed compensated wire to be equipped with a common rating thermal couple of graduated number K	本厂氟塑料绝缘和护套高温补偿导线选用进口氟塑料，采用整体连续挤出工艺，具有很好的电性能和耐酸、碱、油、水性能。 Fluoroplastics insulated and sheathed high temp compensated wire is made up of imported fluoroplastics material with a total constant extruding technology. Owing aremarkable property of electricity and resisting cd base. Oil and water	
KX-FP 1F	氟塑料绝缘和护套镀锡铜丝编织屏蔽普通级 K 分度电偶用补偿导线 Fluoroplastics insulated and sheathed tinned Cu wire woven screen compensated wire to be equipped with a common rating thermal couple of graduated number K		
KXA-VV	氟塑料乙烯和护套精密级 K 分度电偶用补偿导线 PVC insulated and sheathed compensated wire to be equipped with an accuracy rating thermal couple of graduated number K		
KXA-VPV	氟塑料乙烯和护套镀锡铜丝编织屏蔽精密级 K 分度电偶用补偿导线 PVC insulated and sheathed compensated wire to be equipped with an accuracy rating thermal couple of graduated number K		
KXA-FF	氟塑料绝缘和护套精密级 K 分度电偶用补偿导线 Fluoroplastics insulated and sheathed compensated wire to be equipped with an accuracy rating thermal couple of graduated number K		
KXA-FP 1F	氟塑料绝缘和护套镀锡铜丝编织屏蔽精密级 K 分度电偶用补偿导线 Fluoroplastics insulated and sheathed tinned Cu wire woven screen compensated wire to be equipped with an accuracy rating thermal Couple of graduated number K		
说明：其他型号补偿导线 EX JX SC KC NC TX 只需改写型号的第一项，如 EX-VV EX-VPV 等 Note :For the other types of compensated wires EX dX SC KC NC IX. only need to adapt the first item ofthetype. For example EX-VV EX-VPV			

型号 Types	产品名称 Descriptions	备注 Remarks
KX VV	聚氯乙烯绝缘对绞聚氯乙烯护套普通级 K 分度热电偶用补偿电缆 PVC insulated and pair twisted PVC sheathed compensated cables. to be equipped with a common rating thermal couple of graduated number K	本厂高温补偿电缆选用进口氟塑料采用整体连续挤出工艺，具有很好的电性能和耐酸碱油水性。 Made up of imported fluoroplastics material and produced with a total constant extruding technology .the high temp compensated cables of our factory own a remarkable property of electricity and resisting oil base.acid and water
KX-VPV	聚氯乙烯绝缘对绞铜丝编织分屏蔽聚乙烯护套普通级 K 分度热电偶用补偿电缆 PVC insulated. pair twisted Cu wire woven divided screen and PVC sheathed compensated cable. to be equipped with a common rating thermal couple of graduated number K	
KX-VPVP	聚氯乙烯绝缘对绞铜丝编织分屏总屏蔽聚乙烯护套普通级 K 分度热电偶用补偿电缆 PVC insulated. pair-twisted Cu wire woven divided and total screen and PVC sheathed compensated cable to be equipped with a common rating thermal couple of graduated number K	
KX-VVP	聚氯乙烯绝缘对绞铜丝编织总屏蔽聚乙烯护套普通级 K 分度热电偶用补偿电缆 PVC insulated pair-twisted Cu wire woven total screen and PVC sheathed compensated cable. to be equipped with a common rating thermal couple of graduated number K	
KXA-VV	聚氯乙烯绝缘对绞聚氯乙烯护套精密级 K 分度热电偶用补偿电缆 PVC insulated and pair twisted PVC sheathed compensated cable. to be equipped with an accuracy rating thermal couple of graduated number K	
KXA-VPV	聚氯乙烯绝缘对绞铜丝编织分屏蔽聚乙烯护套精密级 K 分度热电偶用补偿电缆 PVC insulated pair-twisted Cu wire woven divided screen and PVC sheathed compensated cable. to be equipped with an accuracy rating thermal couple of graduated number K	
KXA-VPVP	聚氯乙烯绝缘对绞铜丝编织分屏总屏蔽聚乙烯护套精密级 K 分度热电偶用补偿电缆 PVC insulated pair-twisted Cu wire woven divided and total screen PVC sheathed compensated cable to be equipped with an accuracy rating thermal couple of graduated number K	
KXA-VVP	聚氯乙烯绝缘对绞铜丝编织总屏蔽聚乙烯护套精密级 K 分度热电偶用补偿电缆 PVC insulated pair-twisted Cu wire woven total screen and PVC sheathed compensated cable to be equipped with an accuracy rating thermal couple of graduated number K	
KX-VP3V	聚氯乙烯绝缘对绞铝/塑复合带分屏蔽聚乙烯护套普通级 K 分度热电偶用补偿电缆 PVC insulated pair twisted Al/plastics combined tape divided screen and PVC sheathed compensated cable to be equipped with a common rating thermal couple of graduated number K	
KXA-VP3VP3	聚氯乙烯绝缘对绞铝/塑复合带分屏及总屏蔽聚乙烯护套普通级 K 分度热电偶用补偿电缆 PVC insulated pair-twisted Al/plastics combined tape divided and total screen and PVC sheathed compensated cable to be equipped with a common rating thermal couple of graduated number K	
KX-VVP3	聚氯乙烯绝缘对绞铝/塑复合带总屏蔽聚乙烯护套精密级 K 分度热电偶	

	用补偿电缆 PVC insulated pair-twisted Al/plastics combined tope total screen and PVC sheathed compensated cable to be equipped with a common rating thermal couple of graduated number K
KXA-VP3VP3	聚氯乙烯绝缘对绞铝/塑复合带总屏及总屏蔽聚乙烯护套精密级 K 分度热电偶用补偿电缆 PVC insulated pair-twisted Al/plastics combined tape total screen and PVC sheathed compensated cable to be equipped with a common rating thermal couple of graduated number K
KXA-VVP3	聚氯乙烯绝缘对绞铝/塑复合膜总屏蔽聚乙烯护套精密级 K 分度热电偶用补偿电缆 PVC insulated pair-twisted Al/plastics combined film total screen compensated and PVC sheathed cable to be equipped with an accuracy rating thermal couple of graduated number K
KX-FF	氟塑料绝缘对绞氟塑料护套普通级 K 分度热电偶用补偿电缆 Fluoroplastics insulated and pair-twisted fluoroplastics sheathed compensated cable to be equipped with a common rating thermal couple of graduated number K
KX-FP1F	氟塑料绝缘对绞镀锡铜丝编织分屏蔽氟塑料护套精密级 K 分度热电偶用补偿电缆 Fluoroplastics insulated pair twisted tinned Cu wire woven total screen fluoroplastics sheathed compensated cable to be equipped with a common rating thermal couple of graduated number K
KX-FP1FP	氟塑料绝缘对绞镀锡铜丝编织分屏蔽及总屏蔽氟塑料护套精密级 K 分度热电偶用补偿电缆 Fluoroplastics insulated pair-twisted fluoroplastics sheathed compensated cable to be equipped with an accuracy thermal couple of graduated number K
KX-FFP1	氟塑料绝缘对绞镀锡铜丝编织总屏蔽氟塑料护套精密级 K 分度热电偶用补偿电缆 Fluoroplastics insulated pair twisted tinned Cu wire woven divided screen fluoroplastics sheathed compensated rating cable to be equipped with an accuracy rating thermal couple of graduated number K
KXA-FF	氟塑料绝缘对绞氟塑料护套精密级 K 分度热电偶补偿电缆 Fluoroplastics insulated pair twisted tinned Cu wire woven divided and total screen fluoroplastics sheathed compensated cable to be equipped with an accuracy rating thermal couple of graduated number K
KXA-FPIF	氟塑料绝缘对绞镀锡铜丝编织分屏蔽氟塑料护套精密级 K 分度热电偶补偿电缆 Fluoroplastics insulated pair-twisted tinned Cu wire woven total screen fluoroplasfics sheathed compensated cable to be equipped with an accuracy rating thermal couple of graduated number K
KXA-FP1FP1	氟塑料绝缘对绞镀锡铜丝编织分屏蔽及总屏蔽氟塑料护套精密级 K 分度热电偶补偿电缆 Fluoroplastics insulated. pair twisted PVC sheathed compensated cable to be equipped with a common rating therma couple of

	graduated number K	
KXA - FFP1	氟塑料绝缘对绞镀锡铜丝编织总屏蔽氟塑料护套精密级 K 分度热电偶补偿电缆 Fluoroplastics insulated pair-twisted tinned Cu wire woven divided screen and PVC sheathed compensated cable to be equipped with a common rating thermal of graduated number K	
KX-FV	氟塑料绝缘对绞聚氯乙烯护套普通级 K 分度热电偶补偿电缆 Fluoroplastics insulated pair-twisted tinned Cu wire woven divided screen and PVC sheathed compensated cable to be equipped with a common rating thermal of graduated number K	
KX - FP1V	氟塑料绝缘对绞镀锡铜丝编织分屏蔽聚氯乙烯护套普通级 K 分度热电偶补偿电缆 Fluoroplastics insulated pair-twisted tinned Cu wire woven divided and total screen and PVC sheathed compensated with an accuracy rating thermal couple of graduated number K	
KX - FP1VP1	氟塑料绝缘对绞镀锡铜丝编织分屏蔽及总屏蔽聚氯乙烯护套普通级 K 分度热电偶补偿电缆 Fluoroplastics insulated pair-twisted tinned Cu wire woven divided and total screen and PVC sheathed compensated to be equipped with a common rating thermal couple of graduated number K	

续表 6 补偿电缆型号与名称

Continue table 6 types and descriptions of compensated cables

型号 Types	产品名称 Descriptions	备注 Remarks
KX—FVPI	氟塑料绝缘对绞镀锡铜丝编织总屏蔽聚氯乙烯护套普通级 K 分度热电偶用补偿电缆 Fluoroplastics insulated pair-twisted tinned Cu wire woven total screen and PVC sheathed compensated cable to be equipped with a common rating thermal couple of graduated number K	本厂高温补偿电缆选用进口氟塑料采用整体连续挤出工艺，具有很好的电性能和耐酸碱油水性。Made up of imported fluoroplastics material and produced with a total constant extruding technology. the high temp compensated cables of our factory own a
KXA-FV	氟塑料绝缘对绞聚氯乙烯护套精密级 K 分度热电偶用补偿电缆 Fluoroplastics insulated and pair-twisted PVC sheathed compensated cable to be equipped with an accuracy rating thermal couple of graduated number K	
FXA-FPIV	氟塑料绝缘对绞镀锡铜丝编织分屏蔽聚氯乙烯护套精密级 K 分度热电偶用补偿电缆 Fluoroplastics insulated, pair-twisted tinned Cu wire woven divided screen PVC sheathed compensated cable to be equipped with an accuracy rating thermal couple of graduated number K	
KXA—FPIFPI	氟塑料绝缘对绞镀锡铜丝编织分屏蔽及总屏蔽聚氯乙烯护套精密级 K 分度热电偶用补偿电缆 Fluoroplastics insulated, pair-twisted tinned Cu wire woven divided and total screen PVC sheathed compensated cable to be equipped with an accuracy rating thermal couple of graduated number K	

KXA—FVP 1	氟塑料绝缘对绞镀锡铜丝编织总屏蔽聚氯乙烯护套精密级 K 分度热电偶用补偿电缆 FIUa rc. Plastics insulated, pair—twisted finned Cu wire woven total screen PVC sheathed compensated cable to be equipped with an accuracy rating the rmal COuple of g raduated nambe r K	remar kableproperty of electricity and resisting oil base. acid and water
KX—GSYVRP	聚乙烯绝缘聚氯乙烯护套镀锡铜丝编织屏蔽补偿电缆(本安型) Polyethylene insulated, PVC sheathed tinned Cu wire woven screen compensated able used for essential safety circuit	
ZX—GSYVRP	聚乙烯绝缘聚氯乙烯护套镀锡铜丝编织屏蔽补偿电缆(本安型). Polyethylene insulated PVC sheathed tinned Cu wire woven screen compensated able used for essential safety circuit	
说明: 其他型号补偿导线 EX SC KC NC TX JXX 需改写型号的第一项如 Ex FF EX—Fv 等 Note: fo r all othe r types of compensated cables EX SC KC NC TX JX, only the fi rst item of the type is requi red to befilled in such as EX—FF EX—FV etc		

电缆规格: (见表 8 表 9) Specifications: (see table 8-9)

表 8 补偿导线 Table 8 compensated wi res

芯数 × 标称截面 (mm ²) Core number × Nominal section	导体线芯 Wire co re of conductor		最大外径 (mm) Max outer diameter of cable				计算重量 (Kg/Km) Calculated weight			
	种类 Kind s	根数 / 直径 (mm) Number / diameter	VV (ZP-VV)	VPV (ZP-VPV)	FF	FPIF	VV (ZP-VV)	VPV (ZP-VPV)	FF	FPIF
2×0.5		1 / 0.80	3.7×6.4	4.3×7.0	2.6×4.6	3.2×5.2	30	50	27	45
	B	7 / 0.30	3.9×6.6	4.5×6.6	2.8×4.8	3.4×5.4	35	55	30	50
2×1.0	A	1 / 1.13	5.1×7.7	5.6×8.3	3.0×5.3	3.6×5.9	56	82	39	64
	B	7 / 0.43	5.1×8.0	5.7×8.5	3.1×5.6	3.7×6.2	60	87	45	69
2×1.5	A	1 / 1.37	5.2×8.3	5.8×8.9	3.2×5.8	3.8×6.4	68	93	54	77
	B	7 / 0.52	5.5×8.7	6.1×9.1	3.4×6.2	4.0×6.8	75	102	60	87
2×2.5	A	1 / 1.76	5.7×9.3	6.3×9.5	3.6×6.7	4.2×7.3	94	121	77	103
	B	19 / 0.41	5.9×9.8	6.5×10.1	4.0×7.3	4.6×7.9	101	133	84	114

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表 9 补偿电缆

Table 9 compensated cables

芯数 × 标称截面 (mm ²) Core number × Nominal section	导体线芯 Wire co re of conductor		最大外径 (mm) Max outer diameter of cable						计算重量 (Kg/Km) Calculated weight					
	种类 Kin	根数 / 直径 (mm) Number /	VV vp3v	VPV	FV	FPIV	FF	FPIF	VV vp3v	VPV	FV	FPIV	FF	FPIF

	ds	diameter												
1 × (2 × 0.5)	A	1/0.80	6.9	7.4	6.7	7.2	5.0	5.6	58	70	49	68	36	53
	B	7/0.30	7.3	7.7	6.7	7.4	5.2	5.8	59	73	52	73	38	56
1 × (2 × 1.0)	A	1/1.13	8.7	9.1	7.4	7.8	5.8	6.3	87	107	64	86	50	70
	B	7/0.43	8.9	9.4	7.6	8.3	6.1	6.8	94	113	70	95	54	78

续表 9 补偿电缆

Continue table 9 COF71.ensated CableS

芯数×标称 截面 (mm,) Core nUmber ×Nomir100 Section	导体线芯 Wire co re of conductor		最大外径 (mm) Max outer diameter of cable						计算重量 (Kg/Km) Calculated weight					
	种类 K7nc t5	根数 / 直 径 (mm) NUFTIbet / dIiameter	VV (VP3V)	VPV	FV	FP1V	FF	FP1F	VV (VP3V)	VPV	FV	FP1V	FF	FP1F
1×(2× 1.5)	A	1 / 1.37	9.1	9.8	7.9	8.4	6.4	6.9	104	125	78	1.3	62	89
	B	7 / 0.52	9.6	10.5	8.1	8.8	6.6	7.4	109	131	83	川.	72	95
1×(2× 2.5)	A	1 / 1.76	10.0	10.7	8.8	9.2	7.4	7.8	129	153	106	133	92	117
	B	19 / 0.41	10.7	川.3	9.2	10.1	7.8	8.7	143	179	113	144	99	126
2×(2×0.5)	A	1 / 0.80	10.3	11.4	9.4	11.1	7.9	9.7	107	177	93	175	79	156
	B	7 / 0.30	10.6	12.0	9.5	11.4	7.9	10..	115	186	98	183	84	164
2×(2× 1.0)	A	1 / 1.13	13.0	15.0	10.5	12.2	9.0	11.0	175	282	128	22.	112	2.7
	B	7 / 0.43	13.3	15.4	10.9	12.9	9.5	11.7	177	293	135	236	12.	221
2×(2×1.5)	A	1 / 1.37	13.6	16.1	川.3	13.1	9.9	11.9	197	314	153	257	137	240
	B	7 / 0.52	15.1	16.8	11.9	14.4	1.7	13..	226	338	174	294	158	277
2×(2× 2.5)	A	1 / 1.76	15.8	17.5	12.8	15.2	11.6	13.6	277	388	211	346	198	325
	B	19 / 0.41	16.8	18.6	13.6	16.6	12.4	15.1	3.2	449	239	383	238	360
3×(2× 0.5)	A	1 / 0.80	10.6	12.1	9.8	11.7	8.4	10.5	122	212	1.5	2.6	91	193
	B	7 / 0.30	11.2	12.7	10.0	12.1	8.6	10.9	134	22.	(-)-0	21.	96	204
3×(2×1.0)	A	1 / 1.13	14.4	15.8	11..	13.0	9.6	11.8	217	336	156	272	139	254
	B	7 / 0.43	14.7	16.3	11.6	13.6	10.3	12.4	232	356	17.	291	155	273

3×(2× 1.51)	A	1 / 1.37	15.2	17.1	12.0	14.5	10.8	13.1	264	387	195	337	181	317
	B	7 / 0.52	16.0	17.8	12.5	15.3	11.3	13.8	278	411	214	362	198	344
3×(2× 2.51)	A	1 / 1.76	16.7	18.6	13.5	16.1	12.3	14.5	338	485	273	434	256	412
	B	19 / 0.41	17.9	19.8	15.2	17.6	13.6	16.1	369	553	314	466	295	446
4×(2 ×.5) 4×(2×1.0)	A	1 / 0.80	11.3	12.9	10.5	13.5	9.0	12.3	151	252	133	254	113	236
	B	7 / 0.30	12.0	14.5	10.7	14.7	9.2	13.2	16.	283	139	265	119	248
	A	1 / 1.13	15.4	16.9	11.8	15.6	10.6	14.1	262	41.	187	342	172	322
	B	7 / 0.43	16.2	17.4	12.4	16.6	11.2	15.1	271	418	2.1	368	185	346
4×(2× 1.51)	A	1 / 1.37	16.3	18.3	12.9	16.8	11.7	15.3	309	462	235	405	218	383
	B	7 / 0.52	18.3	19.1	13.5	17.8	12.3	16.3	330	487	27.	431	250	408
4×(2× 2.5)	A	1 / 1.76	18.0	20.6	14.5	18.8	13.6	17.3	404	612	348	521	327	497
	B	19 / 0.41	19.3	21.9	16.3	21.5	14.7	19.7	440	691	377	566	355	540
5×(2× 0.5)	A	1 / 0.80	12.7	15.0	11.7	14.4	10.5	12.5	183	321	158	322	146	302
	B	7 / 0.30	13.4	15.7	11.9	14.9	10.7	13.6	196	343	172	337	156	319

续表 9 补偿电缆

芯数×标称 截面 (mm ²) Core number × Nominal section	导体线芯 Wire core of conductor		最大外径(mm) Max outer diameter of cable						计算重量(Kg/Km) Calculated weight					
	种类 Kinds	根数/直 径 (mm) Number / diameter	VV (VP3V)	VPV	FV	FP1V	FF	FP1F	VV (VP3V1)	VPV	FV	FP1V	FF	FP1F
5×(2×1.0)	A	1 / 1.13	17.3	18.9	13.1	16.1	11.9	14.5	318	485	230	47.	214	392
	B	7 / 0.43	17.3	19.4	14.5	16.9	13.0	15.4	334	504	269	448	251	423
5×(2×1.5)	A	1 / 1.37	18.3	21.0	15.1	17.2	13.5	15.6	383	591	300	492	288	468
	B	7 / 0.52	19.3	22.0	15.8	18.2	14.3	16.6	405	624	332	524	311	499
5×(2×2.5)	A	1 / 1.76	20.9	23.0	17.1	19.1	15.5	17.6	531	750	434	640	411	612
	B	19 / 0.41	22.3	24.5	18.3	21.8	16.7	20.1	574	848	473	726	453	612
6×[2×0.5)	A	1 / 0.80	15.1	16.8	13.2	16.3	12.0	14.7	234	384	195	385	178	361
	B	7 / 0.30	15.8	17.7	13.5	16.8	12.3	15.3	251	411	209	406	192	383
6×(2×1.0)	A	1 / 1.13	19.7	22.1	15.5	18.0	14.0	16.5	382	609	304	5.3	283	473
	B	7 / 0.43	20.9	22.8	16.5	19.1	15.0	17.6	433	643	326	539	303	5.7
6×(2×1.5)	A	1 / 1.37	21.5	23.9	17.1	19.5	15.5	17.9	492	7.3	363	592	352	562
	B	7 / 0.52	22.7	25.1	18.1	21.2	16.5	19.5	521	756	405	659	381	634
6×(2×2.5)	A	1 / 1.76	23.9	26.6	19.4	22.4	17.8	20.7	641	870	527	798	5.2	767
	B	19 / 0.41	25.5	28.4	21.6	24.8	19.8	23.0	697	1048	603	870	573	836
6×(2×0.5)	A	1 / 0.80	15.2	17.1	13.4	16.5	12.2	15.0	248	413	207	411	187	388
	B	7 / 0.30	16.1	17.9	14.4	17.0	12.9	15.5	260	435	235	436	215	408
7×(2×1.0)	A	1 / 1.13	20.7	22.4	15.8	18.2	14.3	16.7	429	650	318	531	296	5.5
	B	7 / 0.43	21.2	23.1	16.8	19.4	15.3	17.9	445	675	341	572	318	545
7×(2×1.5)	A	1 / 1.37	21.9	24.3	17.3	19.7	15.7	18.2	514	751	398	631	375	606
	B	7 / 0.52	23.1	25.4	18.3	21.5	16.7	19.8	537	796	426	704	402	672
7×(2×2.5)	A	1 / 1.76	24.2	27.1	19.7	22.7	18.2	21.0	676	971	562	857	535	825
	B	19 / 0.41	26.0	28.8	21.9	25.2	20.1	23.4	727	1113	637	932	607	897
8×(2×0.5)	A	1 / 0.80	16.5	18.5	15.2	17.8	13.6	16.3	279	464	245	400	228	435
	B	7 / 0.30	17.5	19.5	15.6	18.5	14.1	16.9	294	485	263	483	242	457
8×(2×1.0)	A	1 / 1.13	22.4	24.4	17.2	19.8	15.6	18.3	480	731	357	595	333	568
	B	7 / 0.43	23.1	25.1	18.3	21.8	16.7	20.1	490	759	380	671	361	640
8×(2×1.5)	A	1 / 1.37	23.8	26.8	18.8	22.1	17.3	20.4	574	840	450	741	426	710
	B	7 / 0.52	25.1	28.2	20.6	23.4	18.8	21.7	604	922	5.8	792	480	760
8×(2×2.5)	A	1 / 1.76	26.8	29.5	22.1	24.8	20.4	23.0	786	1089	663	968	634	934
	B	19 / 0.41	28.8	31.5	23.9	27.8	22.4	25.4	844	1251	718	1074	686	1046

续表 9 补偿电缆 Continue table 9 compensated cables

芯数×标称截面 (mm ²) Core number × Nominal section	导体线芯 Wire core of conductor		最大外径(mm) Max outer diameter of cable						计算重量(Kg/Km) Calculated weight					
	种类 Kinds	根数/直径 (mm) Number/ diameter	VV (VP3V)	VPV	FV	FP1V	FF	FP1F	VV (VP3V)	VPV	FV I	FP1V	FF	FP1F
9x(2x0.51)	A	1 / 0.80	17.3	19.5	16.0	18.7	14.4	17.2	300	5.9	273	503	252	478
	B	7 / 0.30	18.4	21.	16.4	19.5	14.9	17.9	321	559	288	530	266	505
9x(2x1.0)	A	1 / 1.13	23.7	25.7	18.0	21.5	16.5	19.7	527	802	391	680	369	651
	B	7 / 0.43	24.3	26.8	19.3	22.9	17.7	21.1	542	859	423	735	398	703
9x(2x1.5)	A	1 / 1.37	25.1	28.3	19.8	23.2	18.2	21.5	633	955	497	816	472	783
	B	7 / 0.52	27.1	29.7	21.7	24.6	19.9	22.9	686	1.1.	56.	866	53.	837
9x(2x2.5)	A	1/1.76	28.3	31.1	23.3	26.5	21.6	24.3	866	12.1	734	1091	703	1.64
	B	19 / 0.41	30.5	33.2	25.2	29.4	23.4	26.8	932	1423	795	1186	761	1157
10x(2x0.5)	A	1 / 0.80	17.5	19.5	16.1	18.8	14.5	17.3	324	541	293	540	271	514
	B	7 / 0.30	18.5	21.2	16.5	19.6	15.0	17.9	346	599	31.	57.	287	543
10x(2x1.0)	A	1 / 1.13	23.8	25.8	18.1	21.6	16.6	19.8	566	862	423	735	400	7.1
	B	7 / 0.43	24.5	26.9	19.4	23.1	17.8	21.1	584	922	458	791	433	758
10x(2x1.5)	A	1 / 1.37	25.2	28.4	19.8	23.3	18.2	21.6	684	1.27	538	878	514	844
	B	7 / 0.52	27.1	29.8	21.8	24.7	2.1.	22.9	742	1085	606	934	575	903
10x(2x2.5)	A	1 / 1.76	28.5	31.2	23.4	26.6	21.7	24.4	941	1296	797	118.	767	1152
	B	19 / 0.41	3.1.6	33.3	25.3	29.5	23.5	26.8	1.1.9	1536	863	1279	827	1250
12x(2x0.5)	A	1 / 0.80	18.5	21.5	17.1	20.7	15.5	18.9	372	641	336	636	313	617
	B	7 / 0.30	19.7	22.6	17.6	21.	16.1	19.7	396	680	354	681	332	650
12x(2x1.0)	A	1 / 1.13	25.2	27.5	19.4	23.1	17.8	21.2	647	1014	490	843	465	811
	B	7 / 0.43	26.5	28.7	21.	24.4	19.6	22.7	697	1.54	557	9.8	526	874

12x(2x1.5)	A	1/1.37	27.3	30.1	21.9	24.9	20.1	23.1	812	1191	655	1.14	625	668
	B	7/0.52	28.8	31.8	23.2	26.8	21.5	25.1	856	1254	7..	1119	980	1091
12x(2x2.5)	A	1/1.76	3..4	33.3	25..	28.4	23.2	26.2	1.86	1541	929	1367	896	1339
	B	19/0.41	32.7	35.6	26.5	31.5	25.9	28.9	1167	1767	1030	1404	1.11	1455
14x(2x0.5)	A	1/0.80	2..6	22.9	18.3	22.1			42.	736	38.	732		
	B	7/0.30	21.9	24.2	18.9	22.9			473	770	401	769		
14x{2x1.0}	A	1/1.13	27.7	3..1	21.5	24.6			763	1161	588	960		I
	B	7/0.43	28.6	3..9	22.9	26.7			792	1199	634	1061		
14x(2x1.5)	A	1/1.37	29.4	32.6	23.5	27.2			925	1379	749	83		.
	B	7/0.52	31..	34.2	25..	28.8			975	1459	800	1266		

续表9补偿电缆

Continue table 9 compensated cables

芯数×标称截面 (mm ²) Core number × Nominal section	导体线芯 Wire core of conductor		最大外径(mm) Max outer diameter of cable						计算重量(Kg/Km) Calculated weight					
	种类 Kinds	根数/直径 (mm) Number / diameter	VV (VP3V)	VPV	FV	FP1V	FF	FP1F	VV (VP3V1)	VPV	FV I	FP1V	FF	FP1F
14×(2× 2.5)	A	1/1.76	32.8	35.9	27.2	30.5	-	-	1241	1762	1090	1564	-	-
	B	19/0.41	35.2	38.8	28.7	33.8	-	-	1335	2063	1180	1734	-	-
16×(2× 0.5)	A	1/0.80	21.5	23.9	19.0	23.0	-	-	501	820	427	815	-	-
	B	7/0.30	22.8	25.2	19.7	23.9	-	-	528	860	453	861	-	-
16×(2× 1.0)	A	1/1.13	28.9	31.4	22.3	25.6	-	-	855	1300	663	1075	-	-
	B	7/0.43	29.8	32.2	23.9	27.8	-	-	893	1380	715	1186	-	-
16×(2× 1.5)	A	1/1.37	30.7	34.0	24.5	28.3	-	-	1050	1546	845	1328	-	-
	B	7/0.52	32.5	35.8	26.5	30.0	-	-	1100	1648	927	1418	-	-
16×(2× 2.5)	A	1/1.76	34.2	38.0	28.5	31.8	-	-	1408	1982	1237	1796	-	-
	B	19/0.41	36.7	40.6	30.9	35.3	-	-	1516	2326	1341	1956	-	-
19×(2× 0.5)	A	1/0.80	23.2	25.7	21.2	24.9	-	-	571	936	517	934	-	-
	B	7/0.30	24.6	27.6	22.0	25.7	-	-	598	1005	546	985	-	-
19×(2× 1.0)	A	1/1.13	31.4	34.0	24.1	28.0	-	-	978	1528	758	1263	-	-
	B	7/0.43	32.9	34.9	25.9	30.0	-	-	1008	1577	818	1361	-	-
19×(2× 1.5)	A	1/1.37	33.3	36.9	27.0	30.6	-	-	1193	1773	998	1528	-	-
	B	7/0.52	35.8	39.3	28.7	32.5	-	-	1254	1920	1065	1665	-	-
19×(2× 2.5)	A	1/1.76	37.2	41.4	30.9	34.4	-	-	1615	2317	1420	2072	-	-
	B	19/0.41	40.5	44.1	33.6	38.7	-	-	1763	2677	1543	2284	-	-

表10交货长度

Table 10 Length of delivery

对数 Pair number	一般用补偿电缆 Compensated cables for common use	高温补偿电缆 Compensated cables used at high temp
10对及以下 10 Pairs and below	1000	500
10对及以上 10 Pairs above	500	500

允许一定数量的短线交货，一般用补偿电缆为50米以上，数量不超过交货总量的6%，高温用补偿电缆为30米以上，数量不超过交货总量的10%。如有特殊要求，供需双方可另行协商。

A certain number of short delivery is permitted. Compensated cables for common use should

be at least 50m long with the quantity not exceeding 6%, of the total delivery Compensated cables used at a high temp should be at least 30m long with the quantity not exceeding 10%. Of the total delivery Special requirements are subject to further negotiation between the seller and the buyer.

聚全氟乙丙烯绝缘硅橡胶护套特种高温电缆

FEP INSULATED SILICONE RUBBER SHEATHED HIGH TEMPERATURE SPECIAL CABLE

本产品采用企业标准生产本产品适用于高温下200℃以下，钢铁、石油、矿山、化工等工作环境恶劣、电性较好的场合使用。

型号、名称及使用场合

TYPES, DESIGNATIONS AND APPLICATION

表1 Table1

The Product adopts enterprise standard.

This product is applicable to heat next 200%、the steel、petroleum、mineral mountain、chemical engineering...Etc. work environment is bad、good situation ill electricity usage.

型号Types	名称Designations	使用场合及技术特性 Applications and technical features
KHF46R — YGC / YGZ	聚全氟乙丙烯绝缘硅橡胶护套中型或重型软结构控制电缆 FEP insulated silicone rubber sheathed medium or heavy duty soft control cable	应用于环境温度在180℃以下，移动场合，具有极高的耐化学腐蚀性 / 耐气候性 / 抗老化，具电缆接线端可达200℃，绝缘的电阻高达10 ¹⁸ Ω·cm，介电击穿强度达500V / mil。 Applied in mobile circumstances when ambient temperature below 180℃; highly resistant to chemical corrosiveness / aging / weathering the temperature as 10 ¹⁸ Ω·cm; the intensity for dielectric breakdown may be up to 500V / mil.
KHF46RP — YGC / YGN	聚全氟乙丙烯绝缘硅橡胶护套中型或重型软结构屏蔽控制电缆 FEP insulated silicone rubber sheathed medium or heavy duty shielded control cable	除了具有上述一种电缆全部特性以外，增加的屏蔽层还有防止电磁干扰的特性，使得控制具有较高的安全性。 Besides the above mentioned the shielding layer can prevent magnetic interference ensuring high safety for control
HF46 — YGC / YGZ	聚全氟乙丙烯绝缘硅橡胶护套中型或重型电力电缆 FEP insulated silicone rubber sheathed medium or heavy duty power cable	应用于环境温度在180℃以下，条件恶劣，需传输大功率的输配电线路中，接线端可以高达200℃，并能够允许较大短路电流通过。 For application where ambient temperature is below 180℃ [adverse conditions where high power distribution is required the temperature at the terminal end may 200%, and a high short circuit current may pass through
HF46R — YGC / YGN	聚全氟乙丙烯绝缘硅橡胶护套中型或重型软结构电力电缆 FEP insulated silicone rubber sheathed medium or heavy duty	与上一种电缆相比，该电缆具有更好的可移动弯曲性。 Compared with the cable on the above the cable has better flexibility

	soft Power cable	
NHKHF46R — YGC / YGZ	耐火型绝缘硅橡胶护套中型或重型软结构控制电缆 flame resistant FEP [insulated silicone rubber sheathed medium or heavy duty soft power cable]	该电缆在第一种电缆绝缘层外重叠绕包一层天然云母耐火包带使之具有了一定的耐火特性，可以在火焰保持通电90分钟，它被广泛的应用于消防系统控制电路中。 This cable is wrapped with a layer of natural mica besides the outer insulating layer as that in the first cable in this table, making the cable have fine fire resistant properties. It may continue to operate for 90 minutes in fire. It is widely used in the circuits of fire protection systems.
7HKHF46RP — YGC / YGZ	耐火型聚全氟乙丙烯绝缘硅橡胶护套中型或重型软结构屏蔽控制电缆 flame resistant FEP [insulated silicone rubber sheathed medium or heavy duty shielded soft control cable]	该电缆在第二种电缆绝缘层外重叠绕包一层天然云母耐火包带，提高了耐火性能，使之安全。 The this cable is wrapped with a layer of natural mica besides the outer insulating layer as that in the second cable in this table, improving the cable's fire resistance properties and making it safer in use.
NHF46 — YGC / YGZ	耐火型聚全氟乙丙烯绝缘硅橡胶护套中型或重型电力电缆 flame resistant FEP [insulated silicone rubber sheathed medium or heavy duty power cable]	该电缆在第三种电缆绝缘层外重叠绕包一层天然云母耐火包带提高了耐火性能，使之更安全，扩大了使用范围。 The this cable is wrapped with a layer of natural mica besides the outer insulating layer as that in the third cable in this table, improving the cable's fire resistant properties, and making it safer in use and widening the scope of application.
NHF46R — YGC / YGZ	耐火型聚全氟乙丙烯绝缘硅橡胶护套中型或重型软结构电力电缆 flame resistant FEP [insulated silicone rubber sheathed medium or heavy duty soft power cable]	这是第四种电缆的耐火型结构。 This is the fourth cable's fire-resistant structure developed on the basis of the fourth cable in this table.

规格SPECIF, CATION

表2 Table2

型号 TYPES	导体截面Cross section mm'				
	0.5~1.5	2.5~6	10~25	35~70	95~150
	芯数Core numbers				
KHF46R—YGC / YGN	2~61	3~24			
KHF46RP—YGC / YGZ	2~61	3~19			
HF46—YGC / YGZ		3~5	3~5	3~5	3
HF46R—YGC / YGZ		3~5	3~5	3	3
NOK(-)F46R—YGC / YGZ	2~37	3~19			
NHKHF46RP—YGC / YGN	2~37	3~19			
NHF46—YGC / YGZ		3~5	3~5	3~5	3
NHF46R—YGC / YGZ		3~5	3~5	3	3

注：1、推荐的芯数系列为2、3、4、5、7、8、10、12、14、16、19、24、30、37、48、52和61芯
 Note: 1、theseribsofcorenutuberthatrecommenos2、3、4、5、7、8、1o、12、14、16、19、2T、30、37、48、52and 61core

■ 技术特性

- 1、聚全氟乙烯材料具有一60—200℃的工作温度，介电系数为2.0
 体积电阻高达10¹² cm。介电击穿强度达500V / mil。
- 2、硅橡胶挤包在成缆上具有较强的弹性，使电缆具有很大的抗撞击能力，对氟塑料材料脆性大的有很大的补充作用。
- 3、硅橡胶护套材料具有耐高温、低温、耐辐射、耐油、防干扰、高频、高压及弹性、柔软等优良特性。

■ 交货度度

- 1、成品电缆的交货长度应不短于35m。
- 2、根据双方协议，允许以任何长度交货。
- 3、若用户要求，可提供铠装型电缆。

■ TECHNOCAL PROPERTLES1。

- 1、FEP ensures a service temperature range between -60 and 200;
 the dielectric coefficient is 2.0; volume resistance is as high as 10¹² ~ 10¹³ cm
 The intensity for dielectric breakdown is up to 500v/inil.2. Silicon rubber makes
- 2、finished cables lmore flexible, enabling ca-bles to better resist heavy impact, and complementary to F-plastics.

3. The silicon rubber sheath is characterized with high resistance to high temperature, low temperature, radiation, oil, interference, high frequency and high-voltage, flexibility and softness.

■ LENGTH OF DELIVERY

1. The length of each cable for delivery shall be not less than 35M
2. Cables of any length may be acceptable subject to agreement between the buyer and the seller.
3. If required, armored cables are available.

硅橡胶电力电缆

■ 产品特点及用途

本产品适用于交流额定电压0.6 / 1kV及以下固定敷设有动力传输线或移动电器用连接电缆，产品具有耐热辐射、耐寒、耐酸碱及腐蚀性气体、防水等特性，电缆结构柔软，敷设方便，高温（高寒）环境下电气性能稳定，抗老化性能突出，使用寿命长，广泛用于冶金、电力、石化、电子、汽车制造等行业。

■ CHARACTERISTICS AND USAGE

The products are applied in fixed laying as power transmission line or mobile appliances as connecting cable whose rated voltages are both not higher than 0.6/1 kV. The products are characterized as radiation, coldness, acid, alkali and corrosive gas resistance and water-proof and easy laying. The products have flexible structure and stable electrical property in high or low temperature, excellent anti-ageing property, long service life-time. They are widely applied in various fields such as metallurgy, power, petrochemical industry, electronic and automobile.

■ 产品执行标准

Executive standard
Q/321084KLA073-2003

■ 使用特性

- 1、额定电压： U_0 / U 0.6 / 1kV
最高工作温度：180℃
最低环境温度：-60℃
- 2、电缆安装敷设温度应不低於-25℃.
- 3、电缆允许弯曲半径：为电缆外径的10倍

■ OPERATING CONDITIONS

Rated voltage : U_0/U 0.6/1kV
Max operating temperature : 180℃
Min ambient temperature: -60℃
Cable installation temperature shouldn't be less than -25℃
Permissible cable bend radius : Min bend radius should 10 times
outer overall cable diameter.

■ 主要技术指标

- 1、成品电缆导体(R类)直流电阻(符合GB / T3956规定)。
- 2、20℃时绝缘电阻不小于]00M0. Km
- 3、成品电缆经受交流50Hz, 3. 5kV / 5min电压试验不击穿。

■ 基本型号及名称BASIC厂YPESAND DESCROPTIONS

表1 Table 1

型号 Types	产品名称 Descriptions
YGC	硅橡胶绝缘硅橡胶护套电力电缆 Silicone rubber insulated, Silicone sheathed power cable
YGCR	硅橡胶绝缘硅橡胶护套移动用电力软电缆 Silicone rubber insulated, Silicone sheathed movable flexible power cable
YGCP	硅橡胶绝缘硅橡胶护套铜丝护套屏蔽电力电缆 Silicone rubber insulated, Silicone sheathed and Cu bra ded shielded power cable
YGC22	硅橡胶绝缘硅橡胶护套钢带铠装电力电缆 Silicone rubber insulated, Silicone sheathed and steel tape armored power cable
JGG	硅橡胶绝缘硅橡胶护套安装线 Silicone rubber insulated and Silicone sheathed installation wire
JGGR	硅橡胶绝缘硅橡胶护套移动用安装软电线 Silicone rubber insulated and Silicone sheathed portable] installation wire
JGGP	硅橡胶绝缘硅橡胶护套铜丝统编织屏蔽安装线 Silicone rubber insulated, Silicone sheathed and Cu braided shielded installation wire
JHXG	硅橡胶绝缘电机引接线 Silicone rubber insulated motor guide wire

备注：阻燃型硅橡胶电缆型号前加ZP，导体线芯中铜丝可以采用镀锡。

Note: ZR is added before the type of designation Silicone rubber cable Cu wires in cores may be tinned.

■ 代号名称及含义

Code and denomination

表2 Table 2

代号 Code	代号含Description
Y	系列代号(移动软电缆) Serial code movable (flexible cable)
G	硅橡胶 Silicone rubber
C	重 型 Weight type
22	钢带铠装 Steel tape armoring
P	铜丝编织屏蔽 Cu braided screen
R	多股编印合导体 Multiple stranded conductor
J	电机引接线 Motor guide wire

■ MAIN TECHNICAL INDEX

- 1、As to DC resistance (in accordance with GB/T3596)of completed cable conductor (Class R),
- 2、Insulation resistance doesn't be less than 100M ~ ~km at 20°C.
- 3、Compeded cable can withstand 50Hz3.5k/5min DC voltage test without breakdown.

隔氧层电缆

OXYGEN SEGREGAED CABLES

■ 产品执行标准

企业标准Q / 321084KKZ08-2007

产品结构图PRODUCTION STRUCTURES

1. 铜导电线芯Copper core
2. 绝缘层insulating layer
- 3、隔氧层oxygen-segregated layer
- 4、外护层Outer—protection layer.
- 5、钢带铠装层Steel tape armoring layer

■ STANDARD IMPLEMENTED

Enterprise standard Q / 321084KLA086. 2004

■使用特性

- 1、额定电压符合相关产品标准规定。
- 2、PVC绝缘隔氧层电缆长期工作温度不超过70°C，XLPE缘隔氧层电缆长期工作温度不超过90°C。
- 3、电缆在敷设时的环境温度不低于0°C。弯曲半径不小于电缆外径15倍。

■ SERVICE CHARACTERISTICS

- 1)Rated voltages comply with the requirements specifiet in relevant standard.
- 2)The permanent service temperature for PVC-insulated oxygen-segregated cables shall not

exceed 70°C, the permanent service temperature for XLPE-insulated oxygen-segregated cables shall not exceed 90°C.

3) In laying the cables, the ambient temperature shall not be lower than 0°C; and the minimum bending radius shall not be less than 15 times of the cable's outer diameter.

■ 型号规格 SPECIFICATIONS

隔氧层电缆 (消防电缆系列)

Oxygen-segregated cables (fire control cable series)

隔氧层类别 Type of oxygen-segregated-layer	原电缆型号 Cable models		
	电力电缆 Power cables	控制电缆 Control cables	计算机电缆 Computer cables
GZR GWD GDD GNH	VV YJV VV32 YJV22 VV32 YJV32 KVV	KYJV KYJVP KVV KVV22 KYJV22 KVV32 KYJV32 KVV22 KYJVP2 KVV22 KYJVP22 KVV22 KYJVP2-22	DJVPVP DJYVPVP DJVP2VP2 DJY2VP2 DJVVP DJYVP DJVVP2 DJYVP2 DJVP2VP22 DJYVP-22 DJVPVP2-22 DJY2VPV-22 DJVVP-22 DJYVP-22 DJVVP2-22 DJYVP2-22
规格参照原电缆型号 For specifications of the oxygen-segregated cables, please refer to the cable models			

上表中隔氧层类别可分别与原电缆型号结合, 以GZR举例如下:

隔氧层阻燃电力电缆

Oxygen-segregated fire retardant power cables

型号 Types	名称 Descriptions
GZR-VV	聚氯乙烯绝缘及护套隔氧层阻燃电力电缆 GZR-VVPVC-insulated sheathed oxygen-segregated fire retardant power cable
GZR-VV22	聚氯乙烯绝缘及护套钢带铠装隔层阻燃电力电缆 GZR-VV22P-insulated ϵ sheathed, steel tape armored, oxygen-segregated fire retardant power cable
GZR-VV32	聚氯乙烯绝缘及护套细钢丝铠装隔层阻燃电力电缆 GZR-VV32PC-insulated ϵ sheathed, thin steel wire armored, oxygen-segregated fire retardant power cable
GZR-YJV	关联聚氯乙烯绝缘氯乙烯护套隔氧层阻燃电力电缆 GZR-YJVLPE-insulated, PVC-sheathed, oxygen-segregated fire retardant power cable
GZR-YJV22	关联聚氯乙烯绝缘氯乙烯护套钢带铠装隔氧层阻燃电力电缆 GZR-YJV32XLPE-insulated, PVC-sheathed, steel tape armored, oxygen-segregated fire retardant power cable
GZR-YJV33	关联聚氯乙烯绝缘氯乙烯护套细钢丝铠装隔氧层阻燃电力电缆 GZR-YJV33XLPE-insulated, PVC-sheathed, thin steel wire armored, oxygen-segregated fire retardant power cable

■ 隔氧层阻燃控制电缆

Oxygen-segregated fire retardant control cables

型号Types	名称 Descriptions
GZR-KVV	聚氯乙烯绝缘及护套隔层阻燃控制电缆 Insulated & sheathed ,oxygen-segregated fire retardant control cable
GZR-KVVP	聚氯乙烯绝缘及护套编织隔氧层阻燃控制电缆 insulated & sheathed ,braid shielded ,oxygen-segregated fire retardant control cable
GZR-KVVP2	聚氯乙烯绝缘及护套铜带屏蔽隔氧层阻燃控制电缆 Insulated & sheathed ,copper tape shielded ,oxygen-segregated fire retardant control cable
GZR-KVV22	聚氯乙烯绝缘及护套钢带铠装隔氧阻燃控制电缆 insulated & sheathed ,steel tape armored ,oxygen-segregated fire retardant control cable
GZR-KVVP2-22	聚氯乙烯绝缘及护套钢带屏蔽带铠装隔氧阻燃控制电缆 insulated & sheathed ,copper tape shielded ,steel tape armored ,oxygen-segregated fire retardant control cable
GZR-KVVP32	聚氯乙烯绝缘及护套细钢丝铠装隔氧阻燃控制电缆 insulated & sheathed ,Thin steel wire armored ,oxygen-segregated fire retardant control cable
GZR- KVVP22	聚氯乙烯绝缘及护套编织屏蔽钢带铠装阻燃控制电缆 insulated & sheathed ,braid shielded ,steel tape armored ,oxygen-segregated fire retardant control cable
GZR-KYJV	交联聚乙烯绝缘氯乙烯护套隔氧层阻燃控制电缆 Insulated ,PVC-sheathed ,oxygen-segregated fire retardant control cable
GZR-KYJVP	交联聚乙烯绝缘氯乙烯护套编织屏蔽隔氧层阻燃控制电缆 Insulated ,PVC-sheathed ,braid shielded ,oxygen-segregated fire retardant control cable
GZR-KYJVP2	交联聚乙烯绝缘氯乙烯护套铜带屏蔽隔氧层阻燃控制电缆 Insulated ,PVC-sheathed ,steel tape armored ,oxygen-segregated fire retardant control cable
GZR-KYJV22	交联聚乙烯绝缘氯乙烯护套钢铠装隔氧层阻燃控制电缆 Insulated ,PVC-sheathed , steel tape armored ,oxygen-segregated fire retardant control cable
GZR-KYJVP2-22	交联聚乙烯绝缘氯乙烯护套铜带屏蔽钢带铠装隔氧层阻燃控制电缆 Insulated ,PVC-sheathed ,copper tape shielded ,steel tape armored ,oxygen-segregated fire retardant control cable
GZR-KYJVP32	交联聚乙烯绝缘氯乙烯护套细钢丝铠装隔氧层阻燃控制电缆 Insulated , PVC-sheathed ,copper tape shielded ,steel tape armored ,oxygen-segregated fire retardant control cable
GZR-KYJVP22	交联聚乙烯绝缘氯乙烯护套编织屏蔽钢带铠装隔氧层阻燃控制电缆 Insulated ,PVC-sheathed ,braid shielded ,steel tape armored ,oxygen-segregated fire retardant control cable

■ 隔氧层阻燃计算机电缆

Oxygen-segregated fire retardant computer cables

型号 Teyps	名称 Descriptions
GZR-DJVPVP	聚氯乙烯绝缘及护套编织分屏蔽加总屏蔽隔氧层阻燃计算机电缆 GZR-DJVPVPPVC-insulated £ sheathed , individual braid shielded plus overall shielded , oxygen-segregated fire retardant computer cable
GZR-DJVP2VP2	聚氯乙烯绝缘及护套铜带分屏蔽加总屏蔽隔氧层阻燃计算机电缆 GZR-DJVP2VP2PVC-insulated £ sheathed , individual copper tape shielded plus overall shielded , oxygen-segregated fire retardant computer cable
GZR-DJVVP	聚氯乙烯绝缘及护套编织总屏蔽隔氧层阻燃计算机电缆 GZR-DJVVPVC-insulated £ sheathed , Overall braid shielded, oxygen-segregated fire retardant computer cable
GZR-DJVVP2	聚氯乙烯绝缘及护套铜带总屏蔽隔氧层阻燃计算机电缆 GZR-DJVVP2PVC-insulated £ sheathed , Overall Copper tape shielded, oxygen-segregated fire retardant computer cable
GZR-DJYPVP	聚氯乙烯绝缘氯乙烯护套编织分屏蔽加总屏蔽隔氧层阻燃计算机电缆 GZR-DJYPVPPE-insulated PVP-sheathed , individual shielded Plus Overall, shielded oxygen-segregated fire retardant computer cable
GZR-DJYP2VP2	聚氯乙烯绝缘氯乙烯护套铜带分屏蔽加总屏蔽隔氧层阻燃计算机电缆 GZR-DJY2VP2PE-insulated PVP-sheathed , individual Copper Tape shielded Plus Overall, shielded oxygen-segregated fire retardant computer cable
GZR-DJYVP	聚氯乙烯绝缘氯乙烯护套编织总屏蔽隔氧层阻燃计算机电缆 GZR-DJYVPPE-insulated PVP-sheathed , Overall braid shielded oxygen-segregated fire retardant computer cable
GZR-DJYVP2	聚氯乙烯绝缘氯乙烯护套铜带总屏蔽隔氧层阻燃计算机电缆 GZR-DJYVP2PE-insulated PVP-sheathed, Overall Copper shielded, oxygen-segregated fire retardant computer cable
GZR-DJVPVP-22	聚氯乙烯绝缘及护套编织分屏蔽加总屏蔽钢带铠装隔氧层阻燃计算机电缆 GZR-DJYVP2VP-22PV-insulated sheathed, individual copper tape shielded Plus Overall shielded, steel tape tape armored, oxygen-segregated fire retardant computer cable
GZR-DJVP2VP-22	聚氯乙烯绝缘及护套铜带分屏蔽加总屏蔽钢带铠装隔氧层阻燃计算机电缆 GZR-DJYPVP-22PE-insulated , £ sheathed, braid Plus Overall shielded, steel tape armored, oxygen-segregated fire retardant computer cable
GZR-DJV22	聚氯乙烯绝缘聚氯乙烯及护套铜带总屏蔽钢带铠装隔氧层阻燃计算机电缆 GZR-DJV22PVC-insulated , PVC-sheathed, individual braid shielded Plus Overall shielded, steel tape tape armored, oxygen-segregated fire retardant computer cable
GZR-DJVVP2-22	聚氯乙烯绝缘及护套编织总屏蔽钢带铠装隔氧层阻燃计算机电缆 GZR-DJYPVP-22PE-insulated , PVC-sheathed, individual braid shielded Plus Overall shielded, steel tape tape armored, oxygen-segregated fire retardant computer cable
GZR-DJYPVP2-22	聚氯乙烯绝缘氯乙烯及护套铜带分屏蔽加总屏蔽钢带铠装隔氧层阻燃计算机电

	缆 GZR-DJYVP2-22PE-insulated ,PVC-sheathed, insulated copper tape shielded plus overall sheathed , steel tape armored, oxygen-segregated fire retardant computer cable
GZR-DJYVP-22	聚氯乙烯绝缘氯乙烯编织总屏蔽钢带铠装隔氧层阻燃计算机电缆 GZR-DJYVP2-22PE-insulated ,PVC-sheathed, Overall braid shielded, steel tape armored, oxygen-segregated fire retardant computer cable
GZR-DJYVP2-22	聚氯乙烯绝缘氯乙烯护套铜带总屏蔽钢带铠装隔氧层阻燃计算机电缆 GZR-DJYVP2-22PE-insulated ,PVC-sheathed, Overall copper tape shielded, steel tape tape armored, oxygen-segregated fire retardant computer cable

■ 产品的命名规则

低烟无卤用“WD”表示，即分别用“无”、“低”汉字的第一个拼音字母表示。隔氧层用“G”表示，即用“隔”汉字的第一个拼音字母表示。阻燃型用“NR”表示，即分别用“阻”、“燃”汉字的第一个拼音字母表示，耐火型用“NH”表示，即分别用“耐”、“火”汉字的第一个拼音字母表示。产品代号用型号、额定电压、规格及标准号组成例：耐火铜芯交联聚乙烯绝缘低烟无卤聚烯烃护套、隔氧层

电力电缆、固定敷设、额定电压0.6 /]kV、4芯、70mm²，表示为：GNH-YJE470Q / 32、084KLA086—2004。

■ 主要性能

- 1、隔氧层阻燃电缆阻燃特性达到GB / T]8380. 3—200]A类标准。
- 2、隔氧层耐火电缆耐火特性达到GB / T]92]6. 2]—2003中的标准要求，即在750℃800℃火焰下燃烧90min在额定电压下不击穿。同时其阻燃特性达到GB / T]8380 3—200]A类标准。
- 3、无卤低烟隔氧层阻燃电缆燃烧时烟密度(透光率)达到GB / T]765]—]998(等效IEC6]。34)低烟标准，燃烧气体腐蚀性达到GB / T]7650—]998(等效IEC60754)标准要求。阻燃性能达到GB / T]8380 3—200]A类标准。氯化氢气体含量符合]EC60754—]标准要求。
- 4、无卤低烟隔氧耐火电缆，燃烧时烟密度(透光率)达到的GB / /]765]]998(等效IEC6]。34)低烟标准，燃烧气体腐蚀性达到cEC60754 2 IEC60754—2 《用测量PH值和导电来测量气体酸度的方法》pH≥4. 3，导电率≤]0ps / mm及[uC6. 754] 《卤素气体量的测量》，氯化氢气体含量≤5mg / g耐火特性达到GB / T]92]6. 2]—2003~要求。
- 5、所有型号电缆能经受相应产品标准规定的电压试验5min不击穿。
- 6、除有上述特性外，其它性能分别符合GB / T]2706—2002、GB9330]988。

■ RULES LF DENOMINATION

“DW” stands for low-smoke and halogen-free, “G” for oxygen- segregation4ayer, “ZR” for fire retardant, and “NH” for fire resistant

A product code consists of product model, rated voltage, specific- ations and standard No. For, example, Fire-resistant, copper-core XLPE-insulated, low-smoke, halogen-free, polyolefine-sheathed, oxygen-segregated power cable, fixed laying, rated voltage0.6/1 kV, 4-core, 70ram: is briefly expressed as GNH-WD-YJE4X70Q/321084KLA086-2004.

■ MAJOR PERFORMANCES

1. The fire retardant performance of the oxygen-segregatedfire retardant cables has reached the requirements specified in GB/T18380-2001A.
2. The fire resistant performance of the oxygen-segregated layerhas reached the requirements specified in GB/T19216. 21-2003, namely, after burning for 90 minutes in fire

of 750°C-800°C, the cable has no breakdown under rated voltage. Meanwhile, the fire retardant performance has reached the requirements specified in GB/T18380.3-2001A.

3. In the burning of halogen-free, low-smoke, oxygen-segregated fire retardant cables, the smoke density (light transmission rate) has reached the requirements for low smoke as specified in GB/T17651-1998 (equivalent with IEC61034), the corrosiveness of the gas from burning has reached the requirements specified in GB/T17650-1998 (equivalent with IEC60754), the fire retardant performance has reached the requirements specified in GB/T18380-2001A, and the HCL content complies with the requirements specified in IEC60754-1.

4. The smoke density (light transmission rate) of the halogen-free low-smoke oxygen-segregated fire resistant cables has reached the requirements specified in GB/T17651-1998 (equivalent with IEC61034); the corrosiveness of the gas from burning has reached the pH>4.3 with the conductivity $\sim 10^{-5}$ S/mm as specified in IEC60754-2 "Measuring Gas acidity in the Method of Measuring pH value and Conductivity" and IEC60754-1 "Measuring the Halogen Gases"; and the HCL content ~ 5 mg/g; fire resistant performance has reached the requirements specified in GB/T19216.21-2003.

5. No breakdown occurred after cables of all models have undergone 5-minute voltage test.

6. Besides, the above-mentioned performances, other performances comply with relevant requirements specified in GB/T12706-2002, GB9330-1988 and Q/321084KLA049-2004.

执行标准

执行标准: GB/T 14864-1993

使用特性

工作条件: 工作温度允许在-40°C~+65°C范围内, 相对湿度: 温度为+40°C时98%, 安装时敷设温度不低于-15°C。

主要技术性能: 1) 绝缘电阻: 不小于1000M Ω .km

2) 50 Ω 电容不大于115pF/m, 75 Ω 电容不大于76PF/m

3) 允许最小弯曲半径: 室内使用时不小于5倍电缆外径

室外使用时不小于10倍电缆外径

产品用途

用途: 本产品适用于无线电通讯设备和采用类似技术的电子装置的有关无线电子设备中传输射频信号。

型号说明 DESCRIPTION

STANDARD IMPLEMENTED

Executive standard: GB/T 14864-1993

APPLICATLONPROPERTLES

Service condition: The Permitted range of operating temp is -40°C~65°C. The laying temp of installation should not be lower than -15°C

Major technological property:

1) Insulation resistance should not be lower than 1000 Ω

2) 50 Ω capacitance should not be greater than 115pF/m, 75 Ω Capacitance should not be greater than 76PF/m

3) Min bend radius: not less than 5 times of outer diameter for indoor use; not less than 10 times of outer diameter for outdoor use .

USAGE

Usage: The product can be used as RF signal in radio equipments and other electronic sets using the corresponding

型号说明 DESCRIPTION

表1

SYV同轴射频电缆结构参数表

SYV specification table of radio frequency cable

接上表1 See previous table 1

型号 Types	内导体 Inner conductor		绝缘外径 (mm) Outer diam of insulation	电缆外径 (mm) Outer diam of insulation	制造长度 (mm) Produced length		计算重量 (kg/km) Calculated weight
	根数/直径 (mm) Number/Diameter	外径 (mm) Outer diam			标准 Norm	最短 Min	
	SYV-50-1	7/0.09	0.27	0.87±0.05	1.9±0.10	50-200	3
SYV-50-2-1	7/0.15	0.45	1.5±0.10	2.9±0.10	50-200	3	15.45
SYV-50-2-2	1/0.68	0.68	2.2±0.10	4.0±0.20	100-200	5	30.92
SYV-50-3	1/0.9	0.90	3.0±0.15	5.0±0.25	100-200	5	45.48
SYV-50-5-1	1/1.38	1.37	4.6±0.20	7.0±0.30	100-200	5	83.18
SYV-50-5-2	1/1.37	1.37	4.6±0.20	7.8±0.30	100-200	5	120.19
SYV-50-7-1	7/0.76	2.28	7.3±0.25	10.2±0.30	50-1000	5	167.99
SYV-50-7-2	7/0.76	2.28	7.3±0.25	11.2±0.30	50-100	5	244.17
SYV-50-9	7/0.95	2.85	9.0±0.30	12.4±0.40	50-200	5	237.88
SYV-50-12	7/1.2	3.60	11.5±0.40	15.0±0.50	100-200	5	337.10
SYV-50-15	7/1.54	4.62	15.0±0.50	19.0±0.50	100-200	10	517.75
SYV-50-17	19/1.04	5.20	17.3±0.70	22.2±0.60	100-200	10	730.14
SYV-50-23-1	19/1.37	6.85	23.0±1.0	28.8±0.70	100-200	10	1181.78
SYV-50-28-1	19/1.65	8.25	28.0±1.0	34.5±0.80	100-200	10	1387.78
SYV-75-2	7/0.08	0.24	1.5±0.10	2.9±0.10	50-200	5	15.77
SYV-75-3	7/0.17	0.51	3.0±0.15	5.0±0.25	50-200	5	41.79
SYV-75-5-1	1/0.72	0.72	4.6±0.20	7.1±0.30	100-200	5	76.56
SYV-75-5-2	7/0.26	0.78	4.6±0.20	7.1±0.30	100-200	5	76.37
SYV-75-7	7/0.4	1.2	7.3±0.25	10.2±0.30	50-200	5	150.72
SYV-75-9	1/1.37	1.37	9.0±0.30	12.4±0.40	50-200	5	212.59
SYV-75-12	7/0.64	1.92	11.5±0.40	15.0±0.50	100-200	5	301.36
SYV-75-15	7/0.82	2.46	15.0±0.50	19.0±0.50	100-200	10	444.99
SYV-75-17	7/0.95	2.85	17.3±0.70	22.2±0.60	100-200	10	646.12
SYV-75-23-1	7/1.27	3.81	23.0±1.0	28.8±0.70	100-200	10	1038.2
SYV-75-28-1	7/1.5	4.5	28.0±1.0	34.5±0.80	100-200	10	1450.57
SYV-100-7	1/0.6	0.6	7.3±0.25	10.2±0.30	50-200	5	143.52

表2

Table2:

SYV 同轴射频电缆性能参数表

The SYV is together the stalk radio frequency electric cable function parameter form

型号 Types	特性阻抗 (V) Characteristic resistance	衰减常数Db/m不大于 Damping constant dB/m should not be greater than			电容不 大于 (Pf/m) Dampin g constan t dB/msh ould not be great er than	试验 电压 (50Hz) (KV) Test volta ge	灭晕电压 不低于 (kv)	绝缘电阻 不小于 (M.km) Insulati on resistan ce should not be lowert-h an	参考指标 Reference qualification								
		30 (MHZ)	200 (MHZ)	3000 (MHZ)					平均功率(KW) Average power		峰值功率 (kw) Peak power	最高使用 频率 (MHZ) Service frequenc y max	流动性试验 Reference qualification		尺寸稳定性移位不 大于 (mm) Shift of dimensional stould not be greater than		
									30 (MHZ)	200 (MHZ)			加荷(kg)	位移≥%			
SYV-50-2	50±3.5	0.336	0.873	4.36	115	1.0	0.5	10000				10000					3.0
SYV-50-2-1	50±3.5	0.203	0.524	2.69	115	2.0	1.0	10000				10000					3.0
SYV-50-2-2	50±2.5	0.129	0.341	1.855	115	3.0	1.5	10000				10000	2.5	15			3.0
SYV-50-3	50±2.5	0.100	0.261	1.482	115	4.0	2.0	10000				10000	2.5	15			3.0
SYV-50-5-1	50±2.5	0.0664	0.181	1.062	115	6.0	3.0	10000				10000	2.5	15			3.0
SYV-50-5-2	50±2.5	0.0664	0.181	1.062	115	6.0	3.0	10000				10000	2.5	15			3.0
SYV-50-7-1	50±2.5	0.0497	0.137	0.851	115	9.0	4.0	10000				10000	2.5	15			3.0
SYV-50-7-2	50±2.5	0.0497	0.137	0.851	115	9.0	4.0	10000				10000	2.5	15			3.0
SYV-50-9	50±2.5	0.0396	0.111	0.724	115	11.0	5.0	10000	1.53	0.56	3.8	10000	5	15			3.0
SYV-50-12	50±2.5	0.0337	0.0956	0.656	115	15.0	6.5	10000	2.03	0.73	6.7	8370	8	15			3.0
SYV-50-15	50±2.5	0.0273	0.0788	0.574	115	19.0	9.0	10000	2.89	1.00	12.4	6440	8	15			3.0
SYV-50-17	50±2.5	0.0243	0.0713	0.546	115	21.0	10	10000	3.48	1.21	15.2	5620	8	15			3.0
SYV-50-23-1	50±2.5	0.0211	0.0621	0.496	115	28	13	10000	4.62	1.57	26	4240					3.0
SYV-50-28-1	50±2.5	0.0190	0.058	0.472	115	36	18	10000	6.02	1.99	47	2880					3.0
SYV-75-2	75±5	0.22	0.579	2.96	76	1.5	0.75	10000				10000					3.0
SYV-75-3	75±3	0.122	0.308	1.676	76	3	1.5	10000				10000	2.5	15			3.0
SYV-75-5-1	75±3	0.0706	0.190	1.028	76	5	2.5	10000				10000	2.5	15			3.0
SYV-75-5-2	75±3	0.0785	0.211	1.21	76	5	2.5	10000				10000	2.5	15			3.0
SYV-75-7	75±3	0.0510	0.140		76	7.5	3	10000				10000	5	15			3.0
SYV-75-9	75±3	0.0369	0.104		76	10	4.5	10000	1.43	0.50	2.04	10000	5	15			3.0
SYV-75-12	75±3	0.0344	0.0968		76	12	5.5	10000	1.74	0.62	3.07	9350	8	15			3.0
SYV-75-15	75±3	0.0274	0.0793		76	12	5.5	10000	1.74	0.62	0.07	8240	8	15			3.0
SYV-75-17	75±3	0.0244	0.0715		76	18	8	10000	2.97	1.07	6.48	6210	8	15			3.0
SYV-75-23-1	75±3	0.020	0.0630		76	24	11.5	10000	3.96	1.34	143.4	5370					3.0
SYV-75-28-1	75±3	0.0181	0.0651		76	28	14	10000	5.05	1.68	18.6	3220					3.0
SYV-100-7	100±5	0.0537	0.147		57	5	2.5	10000				10000	5	15			3.0

交货长度：一般为10mm，允许有10%的短线段交货，最短不小于10mm。

产品结构及参考数据；技术参数，见表1、表2。

Length of delivery: Usually the length of delivery is 100mm; 10% short delivery is permitted, The shortest not smaller 10mm.

Structure and reference data: Technical parameter, see the table, table 2

通用橡套电缆

Rubber-sheathed cables for general use

执行规格

Standards implemented

GB5013.4-1997 JBB735-1998 IEC245-4:1994

产品用途

Scope of applications

本产品用于连接家用电器、电动工具和各种形式电器设备及线路网。

This product for household electrical appliances, electrical tools and various and various mobile electrical equipment and electrical circuits.

型号及名称

Models and product descriptions

型号 Models	名称product descriptions	主要用途Scope of application
YQ、YQW	轻型橡套软电缆 Light type rubber-sheathed soft cable	用于轻型移动电器设备和工具 Intended of light duty mobile electrical equipment and tools
YZ、YZW	中型橡套软电缆 Medium type rubber sheathed soft cable	用于种移动电器设备和工具 Intend for various mobile electrical equipment and tools
YC、YCW	重型橡套软电缆 Heavy type-sheathed soft cable	用于各种移动电器设备和工具 用于各种移动电器设备，能承受较大的机械外力作用 Intended for various mobile equipment, where the cable is required to be under considerable mechanical impact

生产范围

Scope of production

型号Models	额定电压 Rated voltage	芯数 Core number	标称截面mm ² Nominal sectional area
YQ、YQW YZ、YZW	300/300 300/500	2, 3 2、3、4、5 4(三大一小)(3 Big and 1 small) 6	0.3-0.5 4.6 1.5-6 0.75-6
YC	450/750	1 2 3, 4 5 4(三大一小)(3 Big and 1 small)	1.5-400 1.5-95 1.5-150 1.5-25 2.5-150
YCW	450/750	4(三大一小)(3 Big and 1 small)	35-95 120-150 2.5-150

产品结构，尺寸，重量及参数

Product structures, sizes, weights and parameters

300/300VV YQ, YQW 轻型橡套软电缆Light type rubber-sheathed soft cables

芯数× 标称截面 MM ² Core number× sectional area	导体中单线 最大直径 MM Max. diameter of single core	绝缘厚度 规定值 MM Nominal insulating thickness	护套厚度 规定值 MM Nominal thickness of sheath	平均外径mm Average thickness		20℃时导体电阻最大值 Ω /km Max. resistance of conductor at 20℃		重量Kg/km Weight	
				下限 Lower limit	上限 Upper limit	钢芯 Copper core	镀锡钢芯 Tinned copper core	YQ	YQW
2×0.3	0.16	0.5	0.7	4.3	5.8	69.2	71.2	30	31.5
2×0.5	0.16	0.5	0.7	4.8	6.4	39.0	40.1	43	45.6
3×0.3	0.16	0.5	0.7	4.6	6.1	69.2	71.2	36	38.1
3×0.5	0.16	0.5	0.7	5.1	6.7	39.0	40.1	74	77.0

300/500V YZ YZW 中型橡套软电缆

Medium type rubber insulated soft cable

芯数× 标称截面 MM ² Core number× sectional area	导体中单线 最大直径 MM Max. diameter of single core	绝缘厚度 规定值 MM Nominal insulating thickness	护套厚度 规定值 MM Nominal thickness of sheath	平均外径mm Average thickness		20℃时导体电阻最大值 Ω/km Max. resistance of conductor at 20℃		重量Kg/km Weight	
				下限 Lower limit	上限 Upper limit	钢芯 Copper core	镀锡钢芯 Tinned copper core	YZ	YZW
2×4	0.31	1.0	1.2	10.6	13.7	4.95	5.09	248.4	268.5
2×6	0.31	1.0	1.2	11.8	15.1	3.30	3.39	366	394.5
3×4	0.31	1.0	1.2	11.3	14.5	4.95	5.09	295.8	313.7
3×6	0.31	1.0	1.2	12.6	16.1	3.30	3.39	452.5	479.7
4×4	0.31	1.0	1.2	12.7	16.2	4.95	5.09	378.1	399.2
4×6	0.31	1.0	1.2	14.0	17.9	3.30	3.39	564	594
(四芯三大一小结构) (4-core:3 large-sized and 1small in construction)						(主线芯导体电阻) (Resistance for major core)			
3×1.5+1×1.0	0.26/0.21	0.8/0.6	1.1	8.6	11.9	13.3	13.7	170.1	181.9 0
3×2.5+1×1.5	0.26/0.26	0.9/0.8	1.2	10.4	13.3	7.98	8.21	246.8	262.9 0
3×4+1×2.5	0.31/0.26	1.0/0.9	1.3	12.3	15.7	4.95	5.09	359.1	390.2
3×6+1×4	0.31/0.31	1.0/1.0	1.4	13.7	17.5	3.30	3.39	542.1	572.5
5×4	0.31	1.0	1.4	14.1	17.9	4.95	5.09	441.8	464.5
5×6	0.31	1.0	1.6	15.7	20.0	3.30	3.39	687.5	724

注：四芯三大一小结构中接地线芯直流电阻与同型号相应截面主线相同
Notes:the DC resistance of the 3 large-sized and one small structure the same model with corresponding sectional area.

245IEC57(YZW), 245IEC53(YZ) 型橡套软线尺寸

Sizes of 245IE(YZW), 245IEC53(YZ) rubber-sheathed soft cables

芯数标称截面 MM ² Core number and nominal sectional area of conductor	绝缘厚度规定值 MM Nominal insulating thickness	护套厚度规定值 MM Nominal thickness of sheath	平均外径mm Average thickness		重量Kg/km Weight	
			下限 Lower limit	上限 Upper limit	YZ	YZW
2×0.75	0.6	0.8	6.0	8.2	73.1	80.2
2×1	0.6	0.9	6.6	8.8	81.7	89.6
2×1.5	0.8	1.0	8.0	10.5	117.0	129
2×2.5	0.9	1.1	9.5	12.5	227.1	242
3×0.75	0.6	0.9	6.5	8.8	85.9	93.1
3×1	0.6	0.9	7.0	9.2	97.4	105
3×1.5	0.8	1.0	8.6	11.0	144.6	155.3
3×2.5	0.9	1.1	10.0	13.0	205.1	219
4×0.75	0.6	0.9	7.1	9.6	102.7	110
4×1	0.6	0.9	7.6	10.0	117.1	125
4×1.5	0.8	1.1	9.6	12.5	185.2	198
4×2.5	0.9	1.2	11.0	14.0	255.2	270
5×0.75	0.6	1.0	8.0	11.0	127.1	136
5×1	0.6	1.0	8.5	11.5	144.3	154
5×1.5	0.8	1.1	10.5	13.5	210.5	223
5×2.5	0.9	1.3	12.5	15.5	304.3	320

450/750V YC重型橡软电缆

450/750V YC heavy type rubber soft cables

芯数× 标称截面 mm ² Core number× nominal sectional area	导体中单线 最大直径 mm Max.diameter Of single core	绝缘厚度规 定值 mm Nominal insulating thickness	护套厚度规定值mm Nominal thickness of sheath			平均外径 mm Average thickness		20℃时导体电阻 最大Ω/km Max.resistance of conductor at 20℃		重量 Kg/km Weight
			单层 Single layer	双层 Double lager		下限 Lower limit	上限 Upper limit	铜芯 Copper limit	镀锡铜芯 Tinned core	
				内层 Inner	外层 Outer layer					
1×1.5	0.26	0.8	1.4	-	-	5.7	7.1	13.3	13.7	51.9
1×2.5	0.26	0.9	1.4	-	-	6.3	7.9	7.98	8.21	73.7
1×4	0.31	1.0	1.5	-	-	7.2	9.0	4.95	5.09	110.5
1×6	0.31	1.0	1.5	-	-	7.9	9.8	3.30	3.39	132
1×10	0.41	1.2	1.8	-	-	9.5	11.9	1.91	1.95	220.6
1×16	0.41	1.2	1.9	-	-	1.8	13.4	1.21	1.24	295.1
1×25	0.41	1.4	2.0	-	-	12.7	15.8	0.780	0.795	425.6
1×35	0.41	1.4	2.2	-	-	14.3	17.9	0.554	0.565	561.9
1×50	0.41	1.6	2.4	-	-	16.5	20.6	0.386	0.393	758.4
1×70	0.51	1.6	2.6	-	-	18.6	23.3	0.272	0.277	1034.10
1×95	0.51	1.8	2.8	-	-	20.8	26.0	0.206	0.210	1324.7
1×120	0.51	1.8	3.0	-	-	22.8	28.6	0.161	0.164	1593.9
1×150	0.51	2.0	3.2	-	-	25.2	31.4	0.129	0.132	1971.6
1×185	0.51	2.2	3.4	-	-	27.6	34.4	0.106	0.108	2425.6
1×240	0.51	2.4	3.5	-	-	30.6	38.3	0.0801	0.0817	3081.5
1×300	0.51	2.6	3.6	-	-	33.5	41.9	0.0641	0.654	3730.7
1×400	0.51	2.8	3.8	-	-	37.4	46.8	0.0486	0.0495	4934
2×1.5	0.26	0.8	1.5	-	-	8.5	11.0	13.3	13.7	132
2×2.5	0.62	0.9	1.7	-	-	10.2	13.1	7.98	8.21	203.0
2×4	0.31	1.0	1.8	-	-	11.8	15.1	4.95	5.09	280.2
2×6	0.31	1.0	2.0	-	-	13.1	16.8	3.30	3.39	412.2
2×10	0.41	1.2	3.1	-	-	17.7	22.6	1.91	1.95	669.1
2×16	0.41	1.2	3.3	1.3	2.0	20.2	25.7	1.21	1.24	906.6
2×25	0.41	1.4	3.6	1.4	2.2	24.3	30.7	0.780	0.795	1144.30
2×35	0.41	1.4	3.9	1.5	2.4	27.3	34.6	0.554	0.565	1515.5
2×50	0.41	1.6	4.3	1.7	2.6	31.8	40.1	0.386	0.393	2464.3
2×70	0.51	1.6	4.6	1.8	2.8	35.8	45.1	0.272	0.277	3254.8
2×95	0.51	1.8	5.0	2.0	3.0	40.2	51.0	0.206	0.210	4144.3
3×1.5	0.51	0.8	1.6	-	-	9.2	11.9	13.3	13.7	156.0
3×2.5	0.26	0.9	1.8	-	-	10.9	14.0	7.98	8.21	246.1
3×4	0.26	1.0	1.9	-	-	12.7	16.2	4.95	5.09	305.6
3×6	0.31	1.0	2.1	-	-	14.1	18.0	3.30	3.39	462.5
3×10	0.31	1.2	3.3	-	-	19.1	24.2	1.91	1.95	822.30
3×16	0.41	1.2	3.5	1.4	2.1	21.8	27.6	1.21	1.24	1075.8
3×25	0.41	1.4	3.8	1.5	2.3	26.1	33.0	0.780	0.795	1514.3
3×35	0.41	1.4	4.1	1.6	2.5	29.3	37.1	0.554	0.565	1789.3
3×50	0.41	1.6	4.5	1.8	2.7	34.1	42.9	0.386	0.393	2880.3
3×70	0.51	1.6	4.8	1.9	2.9	38.4	48.3	0.272	0.277	3879.3
3×95	0.51	1.8	5.3	2.1	3.2	43.3	54.0	0.206	0.201	4974.5
3×120	0.51	1.8	5.6	2.2	3.4	47.3	60.0	0.161	0.164	5783.3
3×150	0.51	2.0	6.0	2.4	3.6	52.0	66.0	0.129	0.132	7343.4
4×1.5	0.26	0.8	1.7	-	-	10.2	13.1	13.3	13.7	188.6
4×2.5	0.26	0.9	1.9	-	-	12.1	15.5	7.98	8.21	300.5
4×4	0.31	1.0	2.0	-	-	4.0	7.9	4.95	5.09	458.4
4×6	0.31	1.0	2.3	-	-	15.7	20.0	3.30	3.39	643.2
4×10	0.41	1.2	3.4	-	-	20.9	26.5	1.91	1.95	1106.0
4×16	0.41	1.2	3.6	1.4	2.2	23.8	30.1	1.21	1.24	13800
4×25	0.41	1.4	4.1	1.6	2.5	28.9	36.6	0.780	0.795	2011.8
4×35	0.41	1.4	4.4	1.7	2.7	32.5	41.1	0.554	0.565	2637.2
4×50	0.41	1.6	4.8	1.9	2.9	37.7	47.5	0.386	0.393	3634.4
4×70	0.51	1.6	5.2	2.0	3.2	42.7	54.0	0.272	0.277	4861.7
4×95	0.51	1.8	5.9	2.3	3.6	48.4	61.0	0.206	0.201	6245.5
4×120	0.51	1.8	6.0	2.4	3.6	53.0	66.6	0.161	0.164	7479.6
4×150	0.51	2.0	6.5	2.6	3.9	58.0	73.0	0.129	0.132	9322.4

(四芯三大一小结构)
(4-core:3 large-sized and small in construction)

(主线芯导体电阻)
(Resistance for major core)

450/750V YC重型橡套软电缆
450/750V YC heavy type rubber soft cables

芯数× 标称截面 mm ² Core number× nominal sectional area	导体中单线 最大直径 mm Max. diameter Of single core	绝缘厚度 规定值 mm Nominal insulating thickness	护套厚度规定值mm Nominal thickness of sheath			平均外径 mm Average thickness		20℃时导体电阻最大Ω/km Max. resistance of conductor at 20℃		重量 Kg/km Weight
			单层 Single layer	双层 Double layer		下限 Lower limit	上限 Upper limit	铜芯 Copper limit	镀锡铜芯 Tinned core	
				内层 Inner	外层 Outer layer					
3×2.5+1×1.5	0.26/0.26	0.9/0.8	2.0	-	-	11.9	15.2	7.98	8.21	282.7
3×4+1×2.5	0.31/0.26	1.0/0.9	2.0	-	-	13.6	17.4	4.95	5.09	406.8
3×6+1×4	0.31/0.31	1.0/1.0	2.2	-	-	15.2	19.4	3.30	3.39	600.1
3×10+1×6	0.41/0.31	1.2/1.0	3.0	-	-	19.4	24.6	1.91	1.95	925.1
3×16+1×6	0.41/0.31	1.2/1.0	3.5	1.3	2.2	22.3	28.3	1.21	1.24	1263.9
3×25+1×10	0.41/0.41	1.4/1.2	4.0	1.6	2.4	27.3	34.4	0.780	0.795	1823.2
3×35+1×10	0.41/0.41	1.4/1.2	4.0	1.6	2.4	29.6	37.3	0.554	0.565	1980.2
3×50+1×16	0.41/0.41	1.6/1.2	5.0	2.0	3.0	35.4	44.7	0.386	0.393	3243.4
3×70+1×25	0.51/0.41	1.6/1.4	5.0	2.0	3.0	39.6	49.8	0.272	0.277	4504.4
3×95+1×35	0.51/0.41	1.8/1.4	5.0	2.0	3.0	43.8	55.1	0.206	0.210	5553.5
3×120+1×35	0.51/0.41	1.8/1.4	5.0	2.0	3.0	46.7	58.8	0.161	0.164	6362.1
3×150+1×50	0.51/0.41	2.0/1.6	5.0	2.0	3.0	51.3	64.5	0.129	0.132	7889.3
5×1.5	0.26	0.8	1.8	-	-	11.2	14.4	13.3	13.7	221.4
5×2.5	0.26	0.9	2.0	-	-	13.3	17.0	7.98	8.21	347.6
5×4	0.31	1.0	2.2	-	-	15.6	19.9	1.95	5.09	497.1
5×6	0.31	1.0	2.5	-	-	17.5	22.2	3.30	3.39	765.7
5×10	0.41	1.2	3.6	-	-	22.9	29.1	1.91	1.95	1205.2
5×16	0.41	1.2	3.9	1.5	2.4	26.4	33.3	1.21	1.24	1668.8
5×25	0.41	1.4	4.4	1.7	2.7	32.0	40.4	0.780	0.795	2434.3

注：四芯三大一小结构中接地线芯的直流电阻与同型号相应截面主线相同

Notes: the DC resistance of the ground core in the 3 large-sized and suture is the same as the same model with corresponding sectional area

450/750V YCW重型橡套软电缆
450/750V YC heavy type rubber soft cables

芯数× 标称截面 mm ² Core number× nominal sectional area	导体中单线 最大直径 mm Max. diameter Of single core	绝缘厚度 规定值 mm Nominal insulating thickness	护套厚度规定值mm Nominal thickness of sheath			平均外径 mm Average thickness		20℃时导体电阻最大Ω/km Max. resistance of conductor at 20℃		重量 Kg/km Weight
			单层 Single layer	双层 Double layer		下限 Lower limit	上限 Upper limit	铜芯 Copper limit	镀锡铜芯 Tinned core	
				内层 Inner	外层 Outer layer					
2×35	0.41	1.4	3.9	1.5	2.4	27.3	34.6	0.554	0.565	1610.4
2×50	0.41	1.6	4.3	1.7	2.6	31.8	40.1	0.386	0.393	2655.7
2×70	0.51	1.6	4.6	1.8	2.8	35.8	45.1	0.272	0.277	3484.3
2×95	0.51	1.8	5.0	2.0	3.0	40.2	51.0	0.206	0.210	4423.0
3×120	0.51	1.8	5.6	2.2	3.4	47.3	60.0	0.161	0.164	6253.3
3×150	0.51	2.0	6.0	2.4	3.6	52.0	66.0	0.129	0.132	7740.0

(四芯三大一小结构)

(4-core: 3 large-size and 1 small in construction)

(主线芯导体电阻)

(Resistance for major core)

3×2.5+1×1.5	0.26/0.26	0.9/0.8	2.0	-	-	11.9	15.2	7.98	8.21	305.6
3×4+1×2.5	0.31/0.26	1.0/0.9	2.0	-	-	13.6	17.4	4.95	5.09	435.7
3×6+1×4	0.31/0.31	1.0/1.0	2.2	-	-	15.2	19.4	3.30	3.9	640.34
3×10+1×6	0.41/0.31	1.2/1.0	3.0	-	-	19.4	24.6	1.91	1.95	990.9
3×16+1×6	0.41/0.31	1.2/1.0	3.5	1.3	2.2	22.3	28.3	1.21	1.24	1341.5
3×25+1×10	0.41/0.41	1.4/1.2	4.0	1.6	2.4	27.3	34.4	0.780	0.795	1941.3
3×35+1×10	0.41/0.41	1.4/1.2	4.0	1.6	2.4	29.6	37.3	0.554	0.565	2115.9
3×50+1×16	0.41/0.41	1.6/1.2	5.0	2.0	3.0	35.4	44.7	0.386	0.393	3439.2
3×70+1×25	0.51/0.41	1.6/1.4	5.0	2.0	3.0	39.6	49.8	0.272	0.277	4772
3×95+1×35	0.51/0.41	1.8/1.4	5.0	2.0	3.0	43.8	55.1	0.206	0.210	5838
3×120+1×35	0.51/0.41	1.8/1.4	5.0	2.0	3.0	46.7	58.8	0.161	0.164	6662
3×150+1×50	0.51/0.41	2.0/1.6	5.0	2.0	3.0	51.3	64.5	0.129	0.132	8252

注：四芯三大一小结构中接地线芯的直流电阻与同型号相应截面主线相同

Notes: the DC resistance of the ground core in the 3 large-sized and suture is the same as the same model with corresponding sectional area

245IEC66(YCW)重型橡软电缆

245IEC66(YCW) heavy type rubber-Sheathed soft cables

芯数× 标称截面 mm ² Core number× nominal sectional area	绝缘厚度 规定值 mm Nominal insulating thickness	护套厚度规定值mm Nominal thickness of sheath			平均外径 mm Average thickness		重量Kg/km Weight
		单层 Single layer	双层 Double layer		下限 Lower limit	上限 Upper limit	
			内层 Inner	外层 Outer layer			
1×1.5	0.8	1.4	-	-	5.8	7.2	57.0
1×2.5	0.9	1.4	-	-	6.4	8.0	79.5
1×4	1.0	1.5	-	-	7.4	9.0	118.7
1×6	1.0	1.6	-	-	8.0	11.0	167.3
1×10	1.2	1.8	-	-	9.8	12.5	234.8
1×16	1.2	1.9	-	-	11.0	14.5	311.6
1×25	1.4	2.0	-	-	12.5	16.5	446.2
1×35	1.4	2.2	-	-	14.0	18.5	587.5
1×50	1.6	2.4	-	-	16.5	21.0	788.4
1×70	1.6	2.6	-	-	18.5	23.5	1073.7
1×95	1.8	2.8	-	-	21.0	26.0	1369.3
1×120	1.8	3.0	-	-	23.5	28.5	1646.3
1×150	2.0	3.2	-	-	26.0	31.5	2036.7
1×185	2.2	3.4	-	-	27.0	34.5	2498
1×240	2.4	3.5	-	-	30.5	38.0	3166.2
1×300	2.6	3.6	-	-	33.5	41.6	3825.2
1×400	2.8	3.8	-	-	37.5	46.5	5048.2
2×1	0.8	1.3	-	-	8.0	10.5	127.3
2×1.5	0.8	1.5	-	-	9.0	11.5	146.2
2×2.5	0.9	1.7	-	-	10.5	13.5	223.9
2×4	1.0	1.8	-	-	12.0	15.0	305.6
2×6	1.0	2.0	-	-	13.5	18.5	448.2
2×10	1.2	3.1	-	-	18.5	24.0	732.8
2×16	1.2	3.3	1.3	2.0	21.0	27.5	988.5
2×25	1.4	3.6	1.4	2.2	25.0	31.5	1229.4
3×1	0.8	1.4	-	-	8.6	11.5	150.0
3×1.5	0.8	1.6	-	-	9.6	12.5	171.0
3×2.5	0.9	1.8	-	-	11.5	14.5	266.9
3×4	1.0	1.9	-	-	13.0	16.0	325.2
3×6	1.0	2.1	-	-	14.5	20.0	491
3×10	1.2	3.3	-	-	20.0	25.5	895.6
3×16	1.2	3.5	1.4	2.1	22.5	29.5	1152.8
3×25	1.4	3.8	1.5	2.3	26.5	34.0	1725
3×35	1.4	4.1	1.6	2.5	29.5	38.0	1956.0
3×50	1.6	4.5	1.8	2.7	34.5	44.0	3057
3×70	1.6	4.8	1.9	2.9	39.0	49.5	4109
3×90	1.8	5.3	2.1	3.2	44.0	54.0	5250
4×1	0.8	1.5	-	-	9.6	12.5	178
4×1.5	0.8	1.7	-	-	10.5	13.5	205.6
4×2.5	0.9	1.9	-	-	12.5	15.5	323.7
4×4	1.0	2.0	-	-	14.5	18.0	469.5
4×6	1.0	2.3	-	-	16.5	22.0	686.0
4×10	1.2	3.4	-	-	21.5	28.0	1079.7
4×16	1.2	3.6	1.4	2.2	24.5	32.0	1473
4×25	1.4	4.1	1.6	2.5	29.5	37.5	2137
4×35	1.4	4.4	1.7	2.7	33.0	42.0	2792
4×50	1.6	4.8	1.8	2.9	38.0	48.5	3838
4×70	1.6	5.2	2.0	3.2	43.0	54.5	5118

245IEC66(YCW)重型橡软电缆

245IEC66(YCW) heavy type rubber-Sheathed soft cables

芯数× 标称截面 mm ² Core number× nominal sectional area	绝缘厚度 规定值 mm Nominal insulating thickness	护套厚度规定值mm Nominal thickness of sheath			平均外径 mm Average thickness		重量Kg/km Weight
		单层 Single layer	双层 Double layer		下限 Lower limit	上限 Upper limit	
			内层 Inner	外层 Outer layer			
4×95	1.8	5.9	2.3	3.6	49.0	60.5	6551.8
4×120	1.8	6.0	2.4	3.6	53.0	65.5	7836.5
4×150	2.0	6.5	2.6	3.9	58.5	74.0	9753.6
5×1	0.8	1.6	-	-	10.5	13.5	228.0
5×1.5	0.8	1.8	-	-	11.5	15.0	240.6
5×2.5	0.9	2.0	-	-	13.5	17.0	372.7
5×4	1.0	2.2	-	-	16.0	19.5	528.9
5×6	1.0	2.5	-	-	18.0	24.5	815.0
5×10	1.2	3.6	-	-	24.0	30.5	1389.0
5×16	1.2	3.9	1.5	2.4	27.0	35.5	1777.0
5×25	1.4	4.4	1.7	2.7	32.5	41.5	2578.1

技术性能

Technical performances

绝缘线芯以受交流50HZ工频火花试验而不击穿。

成品电缆绝缘线芯间绝缘电阻，在+20℃，一公里长度不小于50MΩ。

成品电缆绝缘芯间经受交流工频电压试验不击穿。

The insulating core does not break down AC 50HZ line frequency speak test.

The insulating resistance between the insulated cores in finished cable of 1km log is not less than 50MΩ at +20℃.

No breakdown occurs between the cores of finished cable under the voltage test of AC 50HZ.

使用等性

Service characteristics

额定电压为300/300、300/500、450/750；电缆的使用温度为-45℃+65℃；相对空气湿度98%以下，“W”型有耐油和耐气候性能，适用于接触油污或户外场合；电缆的弯曲半径不小于电缆外径的10倍。

The rated voltage:300/300、300/500、450/750；the service temperature: -45℃+65℃；relative humidity of air: below 98%；“W” type cables having oil-resistant and fit where it is required to be in contact with oil or in outdoor circumstances；bending radius not less than 10 times of the cable outer diameter.

交货长度

Length of delivery

成圈长度为100m或100m整倍数，成盘长度为大于100米。

允许长度不小于10m的短段长度电缆交货，但其数量不超过总长度的10%。

允许根据双方协议长度交货。

长度计量误差应不超过±0.5%。

100m for cables in or a multiple of 100m. Cables delivered by reel are long than 100m.

Short cables with length not less than 10m are allowed in delivery, but the proportion, shall not exceed 10% of the total delivery.

Cables of any length are allowed subject to agreement of both barites.

Tolerance of cable length shall not exceed±0.5%.

无线电装置用电缆 Cables for radio equipment

执行标准

Standards implemented

企标 Q/321034Hz04-2007

用途

Scope of application

本产品适用于交流额定电压300/300V, 300/500V及以下电力系统用的电源和无线电置作为连接线

This product is fit for the connection of power supply and radio equipment with rated voltage up to 300/300V or 300/500V.

型号及名称 及主要用途 (见表1)

Models, product descriptions and scope of applications.

表1 table1

型号 Models	产 品 名 称 Product description	使用范围 Scope of application
SBH	天然丁苯绝缘及护套无线电装置用电缆 Natural styrene-butadiene rubber-insulated and sheathed cables for wireless devices	连接交流300/300V、300/500V及以下电源和无线电装置设备 For the connection of power supply and radio equipment with rated voltage up to 300/300V or 300/500V
SBHP	天然丁苯绝缘及护套金属屏蔽无线电装置用电缆 Natural styrene-butadiene rubber-insulated and sheathed, metal shielded cables for wireless devices	连接交流300/300V、300/500V及以下电源和无线电装置设备外加屏蔽 For the connection of power supply, radio equipment and additional shielding with rated voltage up to 300/300V or 300/500V.
SBHF	天然丁苯绝缘氯丁护套无线电装置用电缆 Natural styrene-butadiene rubber-insulated, butadiene rubber-sheathes cables for wireless devices	用于户外连接交流300/300V、300/500V及以下电源和无线电装置设备 For the connection of power supply and radio equipment with rated voltage up to 300/300V or 300/500V
SBHFB	天然丁苯绝缘及护套金属屏蔽无线电装置用电缆 Natural styrene-butadiene rubber-insulated and sheathed, metal shielded cables for wireless devices	用于户外连接交流300/300V、300/500V及以下电源和无线电装置设备外加屏蔽 For the connection of power supply, radio equipment and additional shielding with rated voltage up to 300/300V or 300/500V.

规格及技术参数 (见表2-表5)

Specifications and technical parameters(see table2-5)

表2 table2

1 芯电缆、2 芯电缆 Single-core cables, 2-core cables

规格 芯数× 标称截面 mm ² Specifications Core number× nominal sectional area	导体结构 根数/单线 标称直径 (mm) Conductor Structure Core number/ Nominal diameter Of core	额定电压Rated voltage								导电芯直流电阻 (Ω/km) ≤ DC resistance of core	
		300/300V				300/500V					
		SBH、SBHF		SBHP、SBHFP		SBH、SBHF		SBHP、SBHFP		不镀锡 Untinned	镀锡 Tinned
		电缆电 大外径 (mm) Max. cableouter diameter	电缆 重量 kg/mm Cable weight	电缆最 大外径 (mm) Max. cable outer diameter	电缆 重量 kg/mm Cable weight	电缆最 大外径 (mm) Max. cable outer diameter	电缆 重量 kg/mm Cable weight	电缆最 大外径 (mm) Max. cable Outer diameter	电缆 重量 kg/mm Cable weight		
1×0.3	16/0.15	5.4	29.64	7.4	64.54				69.2	71.2	
1×0.5	16/0.20	5.7	33.96	7.7	65.95				39.0	40.1	
1×0.75	24/0.20	5.9	38.8/6	7.9	70.76	6.8	50.65	8.8	86.44	26.0	26.7
1×1.0	32/0.20	6.1	42.55	8.1	74.54	7.0	54.67	9.0	91.00	19.5	20.0
1×1.5	18/0.20	6.4	50.11	8.4	83.75	7.3	62.89	9.3	100.84	13.3	15.7
1×2.5	19/0.41	6.9	63.18	8.9	104.34	7.8	77.05	9.8	116.80	7.98	8.21
1×4	49/0.32	7.8	84.86	9.8		8.7	100.46	10.7	145.56	4.95	5.09
1×6	49/0.39	8.5	108.68	10.5		9.4	125.72	11.4	173.38	3.30	3.39
1×10	49/0.52	10.2	171.16	12.2		11.1	190.29	13.1	273.52	1.91	1.95
2×0.3	16/0.15	8.2	56.24	10.2	101.34				72.9	74.8	
2×0.5	16/0.20	8.7	68.33	10.7	113.34				41.0	42.1	
2×0.75	24/0.20	9.2	79.69	11.2	124.79	11.0	113.19	13.0	166.33	27.3	28.0
2×1.0	32/0.20	9.5	88.02	11.5	133.56	11.3	122.47	13.3	176.69	20.5	21.0
2×1.5	18/0.20	10.2	107.46	12.2	156.23	11.9	143.81	13.9	216.36	14.0	14.4
2×2.5	19/0.41	11.1	139.56	13.1	192.70	12.9	178.67	14.9	256.64	8.38	9.62
2×4	49/0.32	12.9	195.29	14.9	273.85	15.8	271.28	17.8	360.62	5.20	5.34
2×6	49/0.39	15.4	283.30	17.4	370.18	17.2	337.75	19.2	442.12	3.47	3.56
2×10	49/0.52	18.9	450.45	20.9	564.92	20.6	516.49	22.6	641.24	2.01	2.05

3 芯电缆 3-core cables

表3 table

规格 芯数× 标称截面 mm ² Specifications Core number× nominal sectional area	导体结构 根数/单线 标称直径 (mm) Conductor Structure Core number/ Nominal diameter Of core	额定电压Rated voltage								导电芯直流电阻 (Ω/km) ≤ DC resistance of core	
		300/300V				300/500V					
		SBH、SBHF		SBHP、SBHFP		SBH、SBHF		SBHP、SBHFP		不镀锡 Untinned	镀锡 Tinned
		电缆最 大外径 (mm) Max. cableouter diameter	电缆 重量 kg/mm Cable weight	电缆最 大外径 (mm) Max. cable outer diameter	电缆 重量 kg/mm Cable weight	电缆最 大外径 (mm) Max. cable outer diameter	电缆 重量 kg/mm Cable weight	电缆最 大外径 (mm) Max. cable outer diameter	电缆 重量 kg/mm Cable weight		
3×0.3	16/0.15	8.5	66.33	10.5	113.77				72.7	74.8	
3×0.5	16/0.20	9.0	76.62	11.0	124.29				41.0	42.1	
3×0.75	24/0.20	9.6	91.18	11.6	138.32	11.5	127.69	13.5	183.54	27.3	28.0
3×1.0	32/0.20	10.0	102.48	12.0	150.14	11.9	140.30	13.9	212.23	20.5	21.0
3×1.5	18/0.20	10.7	132.47	12.7	183.65	12.6	176.32	14.6	252.66	14.0	14.4
3×2.5	19/0.41	11.7	173.52	13.7	229.35	13.6	221.03	15.6	303.13	8.38	8.62
3×4	49/0.32	13.6	245.69	15.6	329.18	16.6	334.88	18.6	436.02	5.20	5.34
3×6	49/0.39	16.2	355.13	18.2	453.65	18.1	627.86	20.1	532.94	3.47	3.56
3×10	49/0.52	19.9	585.56	21.8	706.55	21.8	670.03	23.8	802.63	2.01	2.05

4 芯电缆 4-core cables

规格 芯数× 标称截面 mm ² Specifications Core number× nominal sectional area	导体结构 根数/单线 标称直径 (mm) Conductor Structure Core number/ Nominal diameter Of core	额定电压Rated voltage				导电芯直流电阻 (Ω/km) ≤ DC resistance of core	
		300/300V					
		SBH、SBHF		SBHP、SBHFP		不镀锡 Untinned	镀锡 Tinned
		电缆最 大外径 (mm) Max. cable outer diameter	电缆 重量 kg/mm Cable weight	电缆最 大外径 (mm) Max. cable Outer diameter	电缆最 大外径 (mm) Max. cable Outer diameter		
4×0.3	16/0.15	9.0	78.41	11.0	129.01	72.7	74.8
5×0.3	16/0.15	9.6	91.29	11.6	164.20	72.7	74.8
6×0.3	16/0.15	10.3	103.65	12.3	181.38	72.7	74.8
7×0.3	16/0.15	10.3	108.76	12.3	196.49	72.7	74.8
8×0.3	16/0.15	10.9	122.26	12.9	205.49	72.7	74.8
10×0.3	16/0.15	12.4	146.13	14.4	247.24	72.7	74.8
12×0.3	16/0.15	12.7	160.64	14.7	264.50	72.7	74.8
14×0.3	16/0.15	13.2	179.82	15.2	288.33	72.7	74.8
4×0.5	16/0.20	9.6	94.68	11.6	145.70	41.0	42.1
5×0.5	16/0.20	10.3	116.53	12.3	190.43	41.0	42.1
6×0.5	16/0.20	11.0	126.66	13.0	205.31	41.0	42.1
7×0.5	16/0.20	11.0	134.66	13.0	213.31	41.0	42.1
8×0.5	16/0.20	11.7	151.49	13.7	235.22	41.0	42.1
10×0.5	16/0.20	13.4	182.21	15.4	284.59	41.0	42.1
12×0.5	16/0.20	13.7	202.68	15.7	306.77	41.0	42.1
14×0.5	16/0.20	15.5	257.92	17.5	367.08	41.0	42.1

多芯电缆 (0.75mm²以上) Multi(sectional area above 0.75mm²)

表5 table5

规格 芯数× 标称截面 mm ² Specifications Core number× nominal sectional area	导体结构 根数/单线 标称直径 (mm) Conductor Structure Core number/ Nominal diameter Of core	额定电压Rated voltage								导电芯直流电阻 (Ω/km) ≤ DC resistance of core	
		300/300V				300/500V					
		SBH、SBHF		SBHP、SBHFP		SBH、SBHF		SBHP、SBHFP		不镀锡 Untinned	镀锡 Tinned
		电缆最 大外径 (mm) Max. cableouter diameter	电缆 重量 kg/mm Cable weight	电缆最 大外径 (mm) Max. cable outer diameter	电缆 重量 kg/mm Cable weight	电缆最 大外径 (mm) Max. cable outer diameter	电缆 重量 kg/mm Cable weight	电缆最 大外径 (mm) Max. cable outer diameter	电缆 重量 kg/mm Cable weight		
4×0.75	24/0.20	10.2	113.27	12.3	163.87	12.5	159.5	14.5	235.64	27.3	28.0
5×0.5	24/0.20	11.1	133.41	13.1	206.32	13.5	189.11	15.5	275.89	27.3	28.0
6×0.75	24/0.20	11.9	153.05	13.9	230.78	15.6	248.30	17.6	347.91	27.3	28.0
7×0.75	24/0.20	11.9	164.34	13.9	242.07	15.6	262.81	17.6	362.48	27.3	28.0

规格 芯数× 标称截面 mm ² Specifications Core number× nominal sectional area	导体结构 根数/单线 标称直径 (mm) Conductor Structure Core number/ Nominal diameter Of core	额定电压Rated voltage								导电芯直流电阻 (Ω/km) ≤ DC resistance of core	
		300/300V				300/500V					
		SBH、SBHF		SBHP、SBHFP		SBH、SBHF		SBHP、SBHFP		不镀锡 Untinned	镀锡 Tinned
		电缆最 大外径 (mm) Max. cableouter diameter	电缆 重量 kg/mm Cable weight	电缆最 大外径 (mm) Max. cable outer diameter	电缆 重量 kg/mm Cable weight	电缆最 大外径 (mm) Max. cable outer diameter	电缆 重量 kg/mm Cable weight	电缆最 大外径 (mm) Max. cable outer diameter	电缆 重量 kg/mm Cable weight		
8×0.75	24/0.20	12.7	185.30	14.7	268.53	16.7	295.13	18.7	401.58	27.3	28.0
10×0.75	24/0.20	15.6	251.41	17.6	352.52	19.1	352.36	21.1	473.72	27.3	28.0
12×0.75	24/0.20	16.0	281.81	18.0	385.97	19.7	397.23	21.7	521.98	27.3	28.0
14×0.75	24/0.20	16.7	315.57	18.9	423.58	20.6	448.61	22.6	579.46	27.3	28.0
4×1.0	32/0.20	10.7	123.21	12.7	174.39	12.8	168.57	14.8	246.33	20.5	21.0
5×1.0	32/0.20	11.5	149.71	13.5	223.61	13.9	208.70	15.9	296.84	20.5	21.0
6×1.0	32/0.20	12.3	171.87	14.3	250.52	16.1	272.28	18.1	373.96	20.5	21.0
7×1.0	32/0.20	12.3	185.44	14.3	263.09	16.1	289.99	18.1	391.69	20.5	21.0
8×1.0	32/0.20	13.2	207.65	15.2	291.38	17.2	328.17	19.2	436.65	20.5	21.0
10×1.0	32/0.20	16.2	28.70	18.2	383.08	19.8	390.40	21.8	514.47	20.5	21.0
12×1.0	32/0.20	16.7	315.96	18.7	420.05	20.3	401.84	22.3	569.30	20.5	21.0
14×1.0	32/0.20	17.4	354.78	19.4	463.94	21.3	497.66	23.3	631.23	14.0	14.4
4×1.5	48/0.20	11.5	158.43	13.5	213.21	13.6	212.44	15.6	290.09	14.0	14.4
5×1.5	48/0.20	12.4	193.95	14.4	273.28	15.8	290.51	17.8	390.85	14.0	14.4
6×1.5	48/0.20	13.3	225.28	15.3	307.97	17.0	329.14	19.0	436.94	14.0	14.4
7×1.5	48/0.20	13.3	242.99	15.3	325.68	17.0	352.34	19.0	460.14	14.0	14.4
8×1.5	48/0.20	14.2	275.46	16.2	373.09	18.2	398.82	20.2	514.08	14.0	14.4
10×1.5	48/0.20	17.5	373.09	19.5	484.46	21.0	497.26	23.0	629.42	14.0	14.4
12×1.5	48/0.20	18.0	414.46	20.8	528.37	21.6	553.20	23.6	689.48	14.0	14.4
14×1.5	48/0.20	18.8	467.64	22.7	586.24	22.7	624.88	24.7	796.50	14.0	14.4
4×2.5	19/0.20	12.6	210.91	14.6	287.08	15.8	299.99	17.8	389.14	8.38	8.62
5×2.5	19/0.20	13.6	259.34	15.6	345.93	17.1	364.16	19.1	472.24	8.38	8.62
6×2.5	19/0.20	15.8	332.66	17.8	432.34	18.4	423.44	20.4	539.57	8.38	8.62
7×2.5	19/0.20	15.8	359.95	17.8	459.63	18.4	449.38	20.4	565.51	8.38	8.62
8×2.5	19/0.20	16.9	407.29	18.9	514.70	19.8	511.00	21.8	635.19	8.38	8.62
10×2.5	19/0.20	19.4	508.15	21.4	629.66	22.9	644.46	24.9	816.60	8.38	8.62
12×2.5	19/0.20	19.9	561.66	21.9	686.52	23.6	714.29	25.6	892.30	8.38	8.62
14×2.5	19/0.20	20.8	637.38	22.8	768.28	24.7	810.49	26.7	996.52	8.38	8.62

技术性能

Technical performances

- 1、 电线绝缘芯之间的绝缘电阻，换算到温度为20℃时，应不小于50MΩ /KM。
- 2、 电线的绝缘线芯之间经受交流50HZ及下述规定条件试验，不击穿。

绝缘厚度: ≤0.6mm 1500V/5min

Insulating thickness: >0.6mm 2000V/5min 300/300V
2000V/5min 300/500V

- 1、 The insulating resistance between cores at 20℃ shall not be less than 50MΩ /KM
- 2、 Under the test condition of AC 50Hz, no breakdown occurs between the insulated core in cable.

使用特性

Service characteristics

电缆供在环境温度为-45-+50℃范围内使用

线芯长期允许工作温度应不超过+65℃

电缆敷设时弯曲半径不小于电缆外径的10倍。

The cables are intended for use with the ambient temperature range between -45 and +50℃.

The long-term service temperature shall not exceed +65℃.

The bending radius shall not be less than 10 times of the cable outer diameter.

交货长度

Length of delivery

电缆交货长度应不小于25m, 允许不小于7m的短段交货。经双方协议, 可以任何长度电缆交货。

The cables for delivery shall not be less than 25m long. Short cables with length not less than 7m are allowed in delivery. Cables of any length are acceptable subject to agreement of both parties.

野外用橡皮绝缘屏蔽电缆

Rubber-insulated, shielded cables for open air

执行标准

Standards implemented

(参照JB1543-75)

(with JB1543-75 as reference)

用途

Scope of application

本产品供交流额定电压不大于250V的野外环境中

This product is intended for use in open air with the Ac rated voltage up to 250v.

型号、名称及适用范围 (见表1)

Models, product descriptions and scope of applications (see table 1)

表1 table 1

型号 Models	产品名称 Product descriptions	适用范围 Scope of application
WYH	野外用橡皮绝缘电缆 Rubber-insulated cables for open	适用野外一般场合 Fit for general circumstances in open air
WYHDP	野外用橡皮绝缘屏蔽电缆 Rubber-insulated, shielded cables for open air	适用野外的抗干扰场合 Fit for where interference resistance is required in the open air

规格尺寸及重量 (见表2)

Specifications, sizes and weights (see table 2)

表2 table 2

WYH

芯数×截面mm ² Cord number× sectional area	线芯结构/直径mm Cord structure Core number/diameter	电缆外径mm Cable outer diameter	计算重量 kg/km Weight calculated
4×0.8	7/0.39	11.3	144
5×0.8	7/0.39	12.1	172
7×0.8	7/0.39	12.9	208
10×0.8	7/0.39	16.7	311
12×0.8	7/0.39	17.1	344
14×0.8	7/0.39	17.8	387
16×0.8	7/0.39	18.6	433
19×0.8	7/0.39	19.5	490
24×0.8	7/0.39	22.2	599
27×0.8	7/0.39	23.7	650
31×0.8	7/0.39	23.4	709
33×0.8	7/0.39	24.2	774
37×0.8	7/0.39	25.0	846

表3 table 3

WVHDP型

标称截面 (芯×mm ²) Nominal sectional Area(core number×mm ²)	线芯结构 根/直径mm Core number /diameter	标称外径 (mm) Nominal outer diameter	重量 kg/km Weight	标称截面 (芯×mm ²) Nominal sectional area(core number mm ² ×)	线芯结构 根/直径 mm Core structure Core number/ Diameter	标称外径 (mm) Nominal outer diameter	重量 Kg/km Weight
4×1	4×19/0.26	14.5	314	19×1	19×19/0.26	27.1	1080
5×1	5×19/0.26	16.7	400	24×1	24×19/0.26	31.2	1330
7×1	7×19/0.26	17.9	484	27×1	27×19/0.26	31.8	1440
(8×1) ^①	8×19/0.26	19.1	538	30×1	30×19/0.26	32.9	1520
10×1	10×19/0.26	22.0	660	33×1	33×19/0.26	34.1	1690
12×1	12×19/0.26	22.6	739	37×1	37×19/0.26	35.3	1840
14×1	14×19/0.26	23.7	815	44×1	44×19/0.26	39.4	2150
16×1	16×19/0.26	24.9	904	48×1	48×19/0.26	40.0	2290
1、不推荐使用的规格；产品的绝缘厚度为0.8mm 1、Cables not recommended for use; inculating thickness 0.8mm							

技术性能

Technical performances

成品电缆线芯纺织屏蔽经受交流 50HZ, 1000V 电压试验 5min 不击穿

电缆导电线芯的直流电阻在+20℃时 0.8mm²为不大于 25.3Ω/KM, 1.0mm²为 19Ω/KM

成品电缆绝缘电阻在+20℃时为不小于 25MΩ/KM

成品电缆应能经受耐寒试验要求

No berakdown occurs between the woven shielking of cores under 5-minte AC 50Hz ,1000V voltage test.

The DC rdsistance of cable cord at 20℃ with cdectional area of 0.8mm² is not more than 25.3Ω/KM;that with sectional area of 1.0mm² is 19Ω/KM.

The ineulating resistance of finished cable at 20℃ is not less than 25MΩ/KM .

The finished cable shall be able to withstand cold-resistant test.

使用特性

Service characteristics

电缆工作时环境温度为-45~+50℃

线芯长期工作温度不超过 65℃

使用的环境温度为 95±3%

电缆敷设温度不低于 0℃, 推荐的电缆弯曲半径不代于电缆外径的 10-12 倍。

Ambient temperature when cable in service shall be between-45 and +50℃

Long - term service temperatue of core shall not exceed 65℃.

The ambient humidity shall be 95±3%.

The temperature for cable laying shall not be lower than 0℃;and the recommended bending raduus shall not be less than 10-12 times of the cable outer diameter.

交货要求

电缆交货要求长度为 55m, 允许长度不小于 5m 的短段交货, 其数量不超过交货总长度的 10%, 根据双方协议, 允许任何长度的电缆交货。

The length of cable shall be 55m in delivery. Cables with length not less than 5m are allowed in delivery, but the proportion shall not exceed 10% of the total delivery, Cables of any length are allowed subject to negotiation of both parties.

野外用橡皮绝缘电力电缆

Rubber-insulated power cables for open air

执行标准

Standards implemented

企标 Q/21084kkI05-2007 Interior standard Q/3210HL 14-2002

用途

Scope of application

本产品与交流电压 500V 或直流 1000 以下野外条件下使用，非移动式电气设备连接线。

This product is used circumstances in open air with rated AC voltage up to 500V or rated DC voltage up to 1000V. It is intended for the connection of non-mobile electrical equipment.

型号、名称及适用范围

Models, product descriptions and scope of application

型号 Models	产品名称 Product descriptions	适用范围 Scope of application
YHD	野外橡皮绝缘电力电缆 Rbber-insulated power cable for open air	适用野外移动电气设备 Fit for mobile electrical equipment in the open air

规格尺寸及技术参数

Specifications, sizes and technical pqrameters

表 2 table 2

标称截面 (芯×mm ²) Nominal tional Area(core number×mm ²)	导电线芯根数/单线 标称直径(mm) Core number/nominal Diameter of single core	绝缘标称厚度 (mm) Nominal thickness of inculation	护套标称厚度 (mm) Nominal thickness of sheath	电缆最大外径 (mm) Max. cable outerdiameter	20℃时导体 直流电阻 (Ω/km) ≤ DC resistance of conductor at 20℃
2×1.0	32/0.20	0.9	1.4	10.6	20.0
2×1.5	30/0.25	0.9	1.4	11.2	13.7
2×2.5	49/0.25	0.9	1.4	12.9	8.21
2×4	56/0.30	0.9	1.4	14.1	5.09
2×6	84/0.30	0.9	2.3	17.6	3.39
2×10	84/0.40	1.1	2.8	22.2	1.95
2×16	126/0.40	1.1	3.3	26.4	1.24
2×2.5	196/0.40	1.3	4.3	32.2	0.795
3×1.0	32/0.25	0.9	1.4	11.1	20.0
2×1.5	30/0.25	0.9	1.4	11.9	13.7
3×2.5	49/0.25	0.9	1.4	13.7	8.21
3×4	56/0.30	0.9	2.3	17.1	5.09
3×6	84/0.30	0.9	2.3	18.6	3.39
3×10	84/0.40	1.1	3.3	24.5	1.95

3×16	126/0.40	1.1	3.3	27.8	1.24
3×2.5	196/0.40	1.3	4.3	34.0	0.795
4×1.0	32/0.20	0.9	1.4	12.1	20.0
4×1.5	30/0.25	0.9	1.4	13.7	13.7
4×2.5	49/0.25	0.9	2.3	17.30	8.21
4×4	56/0.30	0.9	2.3	18.5	5.09
4×6	84/0.30	0.9	2.8	21.2	3.39
4×10	84/0.40	1.1	3.3	26.5	1.95
4×16	126/0.40	1.1	4.3	32.5	1.24
4×25	196/0.40	1.3	4.3	36.9	0.795
5×1.0	32/0.20	0.9	1.4	13.8	20.0
5×1.5	30/0.25	0.9	2.3	16.8	13.7
5×2.5	49/0.25	0.9	2.8	20.1	8.21
5×4	56/0.30	0.9	3.3	21.8	5.09
7×1.0	32/0.20	0.9	2.3	17.1	20.0
7×1.5	30/0.25	0.9	2.3	18.0	13.7
7×2.5	49/0.25	0.9	2.8	21.6	8.21
7×4	56/0.30	0.9	3.3	24.4	5.09
7×6	84/0.30	0.9	3.3	26.5	3.39
8×1.0	32/0.20	0.9	2.3	18.2	20.0
8×1.5	30/0.25	0.9	2.8	20.4	13.7
8×2.5	49/0.25	0.9	2.8	23.0	8.21
8×4	56/0.30	0.9	3.3	26.1	5.09
8×6	84/0.30	0.9	3.3	28.4	3.39

技术性能

Technical performances

成品电缆线芯间能经受交流 50HZ，1000V 电压试验 5min.

成品电缆导电线芯的直径电阻应符合表 2 规定。

成品电缆线芯间的绝缘电阻在+20℃时为不小于 50MΩ /KM。

No breakdown occurs between the cores in finised calbe under the 5-min voltage of AC 50HZ 1000V.

The DC resistance of coes in finished cable shall comply oyth the details in table 2, The insulating resistance of the cores in finshes cable at +20℃ shall not be less than 50MΩ /KM .

使用特性

Service characteristics

电缆工作时环境温度为-45~+50℃

线芯长期工作温度不超过 65℃

使用的环境温度为 95±3%

电缆敷设温度不低于 0℃，推荐的电缆弯曲半径不代于电缆外径的 12 倍。

Ambient temperature when cable in service shall be between-45 and +50℃

Long - term service temperatue of core shall not exceed 65℃.

The ambient humidity shall be 95±3%.

The temperature for cable laying shall not be lower than 0°C;and the recommended bending radius shall not be less than 12 times of the cable outer diameter.

交货要求

电缆交货要求长度为 100m，允许长度不小于 20m 的短段交货，其数量不超过交货总长度的 10%，根据双方协议，允许任何长度的电缆交货。

The length of cable shall be 100m in delivery. Cables with length not less than 20m are allowed in delivery, but the proportion shall not exceed 10% of the total delivery, Cables of any length are allowed subject to negotiation of both parties.