



光电网联美好生活

Connecting Wonderful Life with Optic-Electric Network

中天科技装备电缆有限公司

Zhongtian Technology Industrial Wire & Cable System Co., Ltd.

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中天科技微信公众号



ZTT WEBSITE



通信电源用阻燃耐火软电缆

Flame Retardant and Fire Resistant Flexible
Cables for Communication Power Supply

中天科技装备电缆有限公司

Zhongtian Technology Industrial Wire & Cable System Co., Ltd.

公司简介/COMPANY PROFILE



中天科技1992年起步于光纤通信，2002年迈入智能电网，2011年布局新能源，2020年产品出口160个国家和地区，业务实现“一带一路”全覆盖。公司顺应“清洁低碳”新经济秩序，争当“双碳”超赛道主力军，致力成为对区域经济承担责任的绿色制造科技集团。现已形成新能源、海洋、电网、通信、工业互联网等专精特新一企一品深耕模式，拥有80多家子公司，16000多名员工，是南通市最大的先进制造业企业，中国企业500强，国家重点高新技术企业、全国质量奖和中国工业大奖获得单位。

为了促进装备电缆生产的专业化和精细化，中天科技股份有限公司通过将原有子公司的优质资源优化整合，于2010年1月组建新的全资子公司中天科技装备电缆有限公司，公司位于江苏省南通经济技术开发区，公司已发展成为专业从事装备电缆的研发和生产的国家高新技术企业。



ZTT embarked on optical fiber communications in 1992, accessed to the “smart grid” in 2002, and commenced work on renewable energy products in 2011. In 2022, the products of ZTT have been exported to 160 countries and regions, and its businesses have achieved full coverage of countries and regions along the Belt and Road. ZTT follows the new economic model of fostering cleaner production and accelerating green and low-carbon development, works hard to serve as the pioneer of persistent endeavor to achieve national goal involving carbon dioxide emissions peaking by 2030 and carbon neutrality by 2060, emerging as a green manufacturing technology group assuming regional economy. ZTT has pictured a specialized industrial portfolio for renewable energy, power grid, telecoms, and industrial Internet. With 80 subsidiary companies and nearly 16,000 employees, ZTT is the largest advanced manufacturing enterprise in Nantong, one of Top 500 Chinese Enterprises, National Key High-tech Enterprise as well as the winner of China Quality Award and China Grand Awards for Industry.

In order to make the production of industrial wire and cable professional and meticulous, Zhongtian Technology Industrial Wire & Cable System Co., Ltd. was established in January 2010 and located in Nantong Economic & Technological Development Zone. Company has developed into a national high-tech enterprise specializing in researching & developing and producing industrial cables.



宏伟的发展蓝图
Future Planning



一流的技术研发能力
Advanced
R&D Capabilities



丰富的产品结构和
先进的生产设备
Plentiful Products &
Advanced Facilities

企业资质/QUALIFICATIONS & HONORS



ISO 9001:2015

ISO 14001:2015

ISO 45001:2015



生产设备/PRODUCTION EQUIPMENT



多头拉丝机 Multiwire Drawing Machine



束丝机
Bunching machine



笼绞机
Cage strander



挤出机
Extruded machine

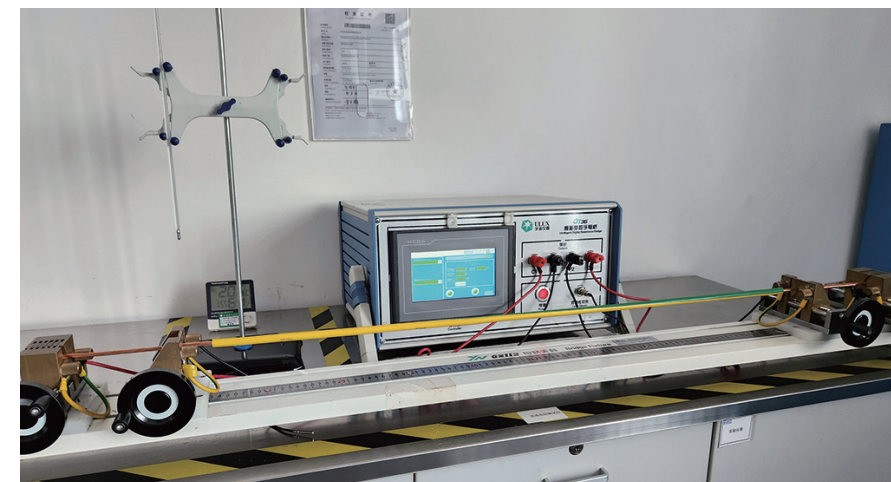


单绞机 Single twist strander



挤出机
Extruded machine

检测设备/TESTING EQUIPMENT



直流电阻电桥 DC resistance bridge



卤酸气体释出测定装置
Halogen acid gas release
measurement device



成束燃烧试验装置
Bunch combustion test device



交流介质强度试验仪
AC medium strength tester



电子拉力机
Electronic tensile machine



全智能型投影仪
Fully intelligent projector



热老化试验箱
Heat aging test oven



高低温试验箱 High and low temperature test oven

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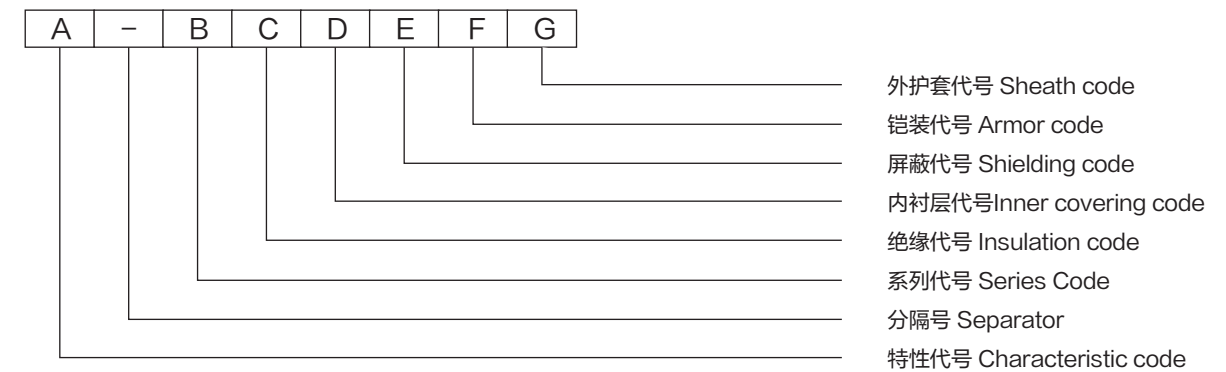
WDZCN-RYY 21

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电缆载流量修正系数
CORRECTION FACTOR FOR CABLE
CURRENT-CARRYING CAPACITY 29

产品命名规则

CABLE CODE DESIGNATION



A)特性代号CHARACTERISTIC CODE

ZA 成束阻燃A类
Flame retardant bundle category A

WDZN 无卤低烟单根阻燃耐火
Halogen-free low-smoke single flame-retardant fire-resistant

WDZCN 无卤低烟成束阻燃C类耐火
Halogen-free, low-smoke bundle flame retardant category C fire-resistant

B)系列代号SERIES CODE

R 软电缆 Flexible cable

C)绝缘代号INSULATION CODE

V 聚氯乙烯 Polyvinyl chloride

Y 聚烯烃 Polyolefin

D)内衬层代号INNER COVERING CODE

V 聚氯乙烯 Polyvinyl chloride

Y 聚烯烃 Polyolefin

E)屏蔽代号SHIELDING CODE

P 铜丝编织 Copper wire braid

F)铠装代号ARMOR CODE

2 钢带铠装 Steel Tape Armor

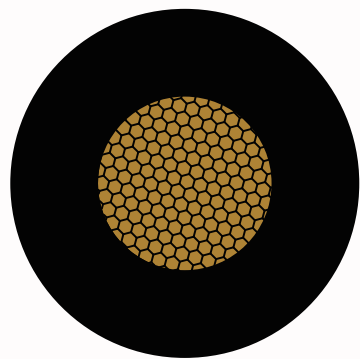
G)护套代号SHEATH CODE

2 聚氯乙烯 Polyvinyl chloride

3 聚烯烃 Polyolefin

铜芯阻燃聚氯乙烯绝缘软电缆

Copper core flame retardant PVC insulated flexible cable



应用/APPLICATION

用于通信基站和建筑物等输、配电线系统中，交流额定电压450/750V及以下阻燃的输电、保护或接地固定安装场合。
Used in communication base stations and buildings and other transmission and distribution line systems, AC rated voltage up to 450/750V flame retardant transmission, protection or grounding fixed installation occasions.

执行标准/STANDARDS

YD/T 1173-2016 通信电源用阻燃耐火软电缆
YD/T 1173-2016 Flame-retardant and fire resistant flexible cables for Communication power supply

使用特性/APPLICATION

额定电压 Rated voltage	450/750V AC
导体最高长期工作温度 Maximum continuous operating temperature of the conductor	70℃
安装时最低环境温度 Minimum ambient temperature for installation	-10℃
最小弯曲半径 Minimum bending radius	6D (D: 电缆外径 Cable O.D.)
阻燃性能 Flame retardant	成束 A 类 Bunched flame retardant Cat A: GB/T 18380.33

电缆结构/STRUCTURES

导体 Conductor	裸铜软结构导体 Bare copper flexible stranding conductor
隔离层（若有） Separation layer (if any)	非吸湿性包带 Non-hygroscopic wrapping tape
绝缘 Insulation	阻燃聚氯乙烯 Flame retardant PVC

颜色识别/COLORS

绝缘：红、黄、绿、蓝、黑、棕、黄 / 绿
Insulation: red, yellow, green, blue, black, brown, yellow/green

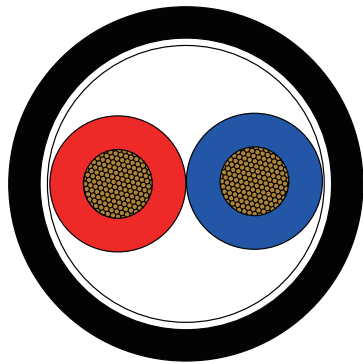
电缆标志/MARKING

6mm² 及以下： 6mm² and below:	中天科技 ZA-RV 规格 450/750V 规格 450/750V YD/T 1173-2016 流水号 米标 ZTT ZA-RV Specifications 450/750V Specifications 450/750V YD/T 1173-2016 Serial No. meters
10mm² 及以上： 10mm² and above:	中天科技 ZA-RV 规格 450/750V YD/T 1173-2016 流水号 米标 ZTT ZA-RV Specification 450/750V YD/T 1173-2016 Serial No. meters

结构尺寸和电气参数/DIMENSIONS AND ELECTRICAL PARAMETERS

规格 No. × mm	近似外径 Approx.. O.D. mm	近似重量 Approx. weight kg/km	20℃导体最大直流电阻 Max. DC resistance of conductor at 20℃ Ω/km	载流量 Current capacity A	
				环境温度：40℃ Ambient temperature: 40℃	
				三角形敷设 Triangulation	水平分离敷设 Horizontal separation
1×1.5	3.1	20	13.3	14	21
1×2.5	3.8	32	7.98	19	29
1×4	4.3	47	4.95	26	38
1×6	4.9	64	3.30	33	49
1×10	6.5	108	1.91	48	68
1×16	7.7	163	1.21	65	91
1×25	9.3	249	0.780	89	120
1×35	10.7	345	0.554	110	150
1×50	12.8	485	0.386	135	180
1×70	14.6	688	0.272	175	230
1×95	17.0	902	0.206	220	290
1×120	18.5	1130	0.161	255	335
1×150	20.8	1367	0.129	295	390
1×185	22.9	1721	0.106	345	450
1×240	26.0	2243	0.0801	420	545
1×300	29.5	2773	0.0641	490	630
1×400	33.8	3679	0.0486	575	735

铜芯阻燃聚氯乙烯绝缘聚氯乙烯护套软电缆
Copper core flame retardant PVC insulated PVC sheathed flexible cable



应用/APPLICATION

用于通信基站和建筑物等输、配电线系统中，交流额定电压0.6/1kV及以下阻燃的输电、保护或接地固定安装场合。
Used in communication base stations and buildings and other transmission and distribution line systems, AC rated voltage up to 0.6/1kV flame retardant transmission, protection or grounding fixed installation occasions.

执行标准/STANDARDS

YD/T 1173-2016 通信电源用阻燃耐火软电缆
YD/T 1173-2016 Flame-retardant and fire resistant flexible cables for Communication power supply

使用特性/APPLICATION

额定电压 Rated voltage	0.6/1kV AC
导体最高长期工作温度 Maximum continuous operating temperature of the conductor	70℃
安装时最低环境温度 Minimum ambient temperature for installation	-10℃
最小弯曲半径 Minimum bending radius	6D (D: 电缆外径 Cable O.D.)
阻燃性能 Flame retardant	成束 A 类 Bunched flame retardant Cat A: GB/T 18380.33

电缆结构/STRUCTURES

导体 Conductor	裸铜软结构导体 Bare copper flexible stranding conductor
隔离层（若有） Separation layer (if any)	非吸湿性包带 Non-hygroscopic wrapping tape
绝缘 Insulation	阻燃聚氯乙烯 Flame retardant PVC
护套 Sheath	阻燃聚氯乙烯 Flame retardant PVC

电缆标志/MARKING

中天科技 ZA-RVV 规格 0.6/1kV YD/T 1173-2016 流水号 米标 ZTT ZA-RVV Specification 0.6/1kV YD/T 1173-2016 Serial No. meters

颜色识别/COLORS

绝缘 Insulation	
1 芯 1 core	任意（优选黑色） any (preferably black)
2 芯 2 cores	红、蓝 Red、Blue
3 芯 3 cores	红、黄、绿 Red、Yellow、Green
4 芯（3+1） 4 cores（3+1）	红、黄、绿、蓝 Red、Yellow、Green、Blue
5 芯（3+2、4+1） 5 cores（3+2、4+1）	红、黄、绿、蓝、黑 Red、Yellow、Green、Blue、Black
护套 Sheath	
1 芯 1 core	红、黄、绿、蓝、黑、棕、黄/绿 Red、Yellow、Green、Blue、Black、Brown、Yellow/green
其他 others	黑色 Black

结构尺寸和电气参数/DIMENSIONS AND ELECTRICAL PARAMETERS

► 单芯电缆 Single-core cable ◀

规格 No. × mm	近似外径 Approx.. O.D. mm	近似重量 Approx. weight kg/km	20℃导体最大直流电阻 Max. DC resistance of conductor at 20℃ Ω/km	载流量 Current capacity A	
				环境温度：40℃ Ambient temperature: 40℃	
				三角形敷设 Triangulation	水平分离敷设 Horizontal separation
1×1.5	4.7	34	13.3	14	21
1×2.5	5.4	48	7.98	24	31
1×4	6.3	70	4.95	32	41
1×6	6.9	89	3.30	40	52
1×10	8.9	148	1.91	55	70
1×16	10.1	209	1.21	74	97
1×25	11.7	304	0.780	95	120
1×35	13.5	419	0.554	115	150
1×50	15.6	572	0.386	140	180
1×70	17.4	785	0.272	180	230
1×95	20.2	1033	0.206	220	280
1×120	21.7	1271	0.161	255	325
1×150	24.0	1524	0.129	295	375
1×185	26.5	1916	0.106	340	430
1×240	29.6	2461	0.0801	405	515
1×300	33.5	3048	0.0641	470	595
1×400	38.2	4026	0.0486	550	700

► 多芯电缆 Multi-core cable ◀

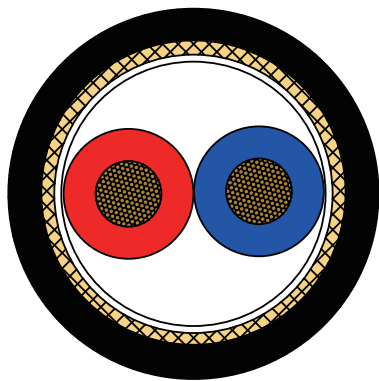
规格 No. × mm	近似外径 Approx.. O.D. mm	近似重量 Approx. weight kg/km	20℃导体最大直流电阻 Max. DC resistance of conductor at 20℃ Ω/km	载流量 Current capacity A	
				环境温度：40℃ Ambient temperature: 40℃	
				三角形敷设 Triangulation	
2×1.5	8.7	82	13.3	18	
2×2.5	10.1	117	7.98	25	
2×4	11.5	165	4.95	33	
2×6	12.7	211	3.30	42	
2×10	16.3	344	1.91	58	
2×16	18.7	486	1.21	76	
2×25	21.9	704	0.780	98	
2×35	25.6	962	0.554	120	
2×50	29.8	1320	0.386	145	
2×70	33.4	1799	0.272	185	
2×95	39.1	2370	0.206	230	
2×120	42.1	2900	0.161	265	
2×150	47.7	3498	0.129	305	
2×185	52.3	4373	0.106	350	
2×240	59.1	5607	0.0801	415	
2×300	66.5	6971	0.0641	475	
3×1.5	9.6	111	13.3	15	
3×2.5	11.1	158	7.98	21	

规格 No. × mm	近似外径 Approx... O.D. mm	近似重量 Approx. weight kg/km	20℃导体最大直流电阻 Max. DC resistance of conductor at 20℃ Ω/km	载流量 Current capacity A
				环境温度：40℃ Ambient temperature: 40℃
				三角形敷设 Triangulation
3×4	12.2	212	4.95	28
3×6	13.9	275	3.30	36
3×10	17.7	468	1.91	49
3×16	20.3	666	1.21	66
3×25	23.7	970	0.780	84
3×35	27.6	1325	0.554	100
3×50	32.2	1823	0.386	125
3×70	36.6	2503	0.272	160
3×95	42.2	3287	0.206	195
3×120	45.4	4041	0.161	235
3×150	51.4	4870	0.129	260
3×185	56.3	6095	0.106	305
3×240	63.6	7841	0.0801	360
3×300	71.5	9720	0.0641	410
4×1.5	10.3	136	13.3	15
4×2.5	12.0	196	7.98	21
4×4	13.2	266	4.95	28
4×6	15.5	360	3.30	36
4×10	19.7	608	1.91	49
4×16	22.6	868	1.21	66
4×25	26.9	1267	0.780	84
4×35	30.7	1729	0.554	100
4×50	36.3	2381	0.386	125
4×70	40.7	3276	0.272	160
4×95	47.9	4297	0.206	195
4×120	51.5	5291	0.161	235
4×150	57.1	6375	0.129	260
4×185	63.6	7980	0.106	305
4×240	70.6	10276	0.0801	360
4×300	79.4	12727	0.0641	410
5×1.5	11.5	172	13.3	15
5×2.5	13.4	247	7.98	21
5×4	15.6	349	4.95	28
5×6	17.2	451	3.30	36
5×10	21.8	757	1.91	49
5×16	25.0	1081	1.21	66
5×25	29.8	1580	0.780	84
5×35	34.0	2154	0.554	100
5×50	40.2	2966	0.386	125
5×70	45.0	4082	0.272	160
5×95	52.9	5352	0.206	195
5×120	57.0	6593	0.161	235
5×150	64.2	7945	0.129	260
5×185	70.3	9941	0.106	305
5×240	78.1	12807	0.0801	360
5×300	87.9	15855	0.0641	410
3×1.5+1×1.0	10.1	129	13.3/19.5	15
3×2.5+1×1.5	11.6	181	7.98/13.3	21
3×4+1×2.5	13.3	260	4.95/7.98	28
3×6+1×4	15.1	340	3.30/4.95	36
3×10+1×6	18.8	552	1.91/3.30	49
3×16+1×10	21.8	803	1.21/1.91	66

规格 No. × mm	近似外径 Approx... O.D. mm	近似重量 Approx. weight kg/km	20℃导体最大直流电阻 Max. DC resistance of conductor at 20℃ Ω/km	载流量 Current capacity A
				环境温度：40℃ Ambient temperature: 40℃
				三角形敷设 Triangulation
3×25+1×16	26.0	1170	0.780/1.21	84
3×35+1×16	28.9	1517	0.554/1.21	100
3×50+1×25	32.8	2074	0.386/0.780	125
3×70+1×35	37.4	2851	0.272/0.554	160
3×95+1×50	44.3	3822	0.206/0.386	195
3×120+1×70	49.1	4794	0.161/0.272	235
3×150+1×70	53.3	5597	0.129/0.272	260
3×185+1×95	60.0	7063	0.106/0.206	305
3×240+1×120	66.2	9030	0.0801/0.161	360
3×300+1×150	74.3	11143	0.0641/0.129	410
4×1.5+1×1.0	11.4	166	13.3/19.5	15
4×2.5+1×1.5	13.0	232	7.98/13.3	21
4×4+1×2.5	15.3	331	4.95/7.98	28
4×6+1×4	16.9	432	3.30/4.95	36
4×10+1×6	21.0	702	1.91/3.30	49
4×16+1×10	24.4	1019	1.21/1.91	66
4×25+1×16	29.0	1483	0.780/1.21	84
4×35+1×16	32.4	1943	0.554/1.21	100
4×50+1×25	37.2	2648	0.386/0.78	125
4×70+1×35	41.9	3650	0.272/0.554	160
4×95+1×50	50.7	4883	0.206/0.386	195
4×120+1×70	54.9	6102	0.161/0.272	235
4×150+1×70	60.8	7169	0.129/0.272	260
4×185+1×95	67.1	9029	0.106/0.206	305
4×240+1×120	74.1	11558	0.0801/0.161	360
4×300+1×150	83.3	14273	0.0641/0.129	410
3×1.5+2×1.0	11.2	159	13.3/19.5	15
3×2.5+2×1.5	12.7	218	7.98/13.3	21
3×4+2×2.5	15	313	4.95/7.98	28
3×6+2×4	16.5	410	3.3/4.95	36
3×10+2×6	20.3	647	1.91/3.30	49
3×16+2×10	23.7	952	1.21/1.91	66
3×25+2×16	28.1	1381	0.780/1.21	84
3×35+2×16	30.8	1730	0.554/1.21	100
3×50+2×25	35.1	2386	0.386/0.780	125
3×70+2×35	40.0	3269	0.272/0.554	160
3×95+2×50	48.4	4405	0.206/0.386	195
3×120+2×70	52.8	5603	0.161/0.272	235
3×150+2×70	56.9	6443	0.129/0.272	260
3×185+2×95	63.9	8108	0.106/0.206	305
3×240+2×120	70.2	10311	0.0801/0.161	360
3×300+2×150	78.8	12698	0.0641/0.129	410

铜芯阻燃聚氯乙烯绝缘聚氯乙烯护套屏蔽软电缆

Copper core flame retardant PVC insulated PVC sheathed shielded flexible cable



应用/APPLICATION

用于通信基站和建筑物等输、配电线系统中，交流额定电压450/750V及以下阻燃需要电气屏蔽固定安装场合。

Used in communication base stations and buildings and other transmission and distribution line systems, AC rated voltage up to 450/750V flame retardant need electrical shielding fixed installation occasions.

执行标准/STANDARDS

YD/T 1173-2016 通信电源用阻燃耐火软电缆

YD/T 1173-2016 Flame-retardant and fire resistant flexible cables for Communication power supply

使用特性/APPLICATION

额定电压 Rated voltage	300/500V AC
导体最高长期工作温度 Maximum continuous operating temperature of the conductor	70℃
安装时最低环境温度 Minimum ambient temperature for installation	-10℃
最小弯曲半径 Minimum bending radius	6D (D: 电缆外径 Cable O.D.)
阻燃性能 Flame retardant	成束 A 类 Bunched flame retardant Cat A: GB/T 18380.33

电缆结构/STRUCTURES

导体 Conductor	裸铜软结构导体 Bare copper flexible stranding conductor
隔离层（若有） Separation layer (if any)	非吸湿性包带 Non-hygroscopic wrapping tape
绝缘 Insulation	阻燃聚氯乙烯 Flame retardant PVC
屏蔽 Shielding	铜丝编织 Copper wire braid
护套 Sheath	阻燃聚氯乙烯 Flame retardant PVC

颜色识别/COLORS

绝缘 Insulation	
2 芯 2 cores	红、蓝 Red、Blue
3 芯 3 cores	红、黄、绿 Red、Yellow、Green
护套 Sheath	黑 Black

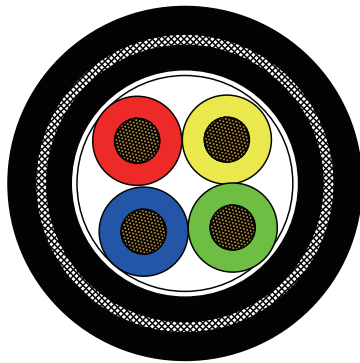
电缆标志/MARKING

中天科技 ZTT ZA-RVVP	规格 Specifications	300/500V	-40	流水号 米标 Serial No. meters
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结构尺寸和电气参数/DIMENSIONS AND ELECTRICAL PARAMETERS

规格 No. × mm	近似外径 Approx.. O.D. mm	近似重量 Approx. weight kg/km	20℃导体最大直流电阻 Max. DC resistance of conductor at 20℃ Ω/km	载流量 Current capacity A
				环境温度：40℃ Ambient temperature: 40℃
				三角形敷设 Triangulation
2×4	12.2	213	4.95	33
2×6	13.5	270	3.30	42
2×10	17.3	431	1.91	58
2×16	19.3	577	1.21	76
3×4	13.0	278	4.95	28
3×6	15.0	356	3.30	36
3×10	19.0	589	1.91	49
3×16	21.2	795	1.21	66

铜芯阻燃聚氯乙烯绝缘聚氯乙烯护套软电缆
Copper core flame retardant PVC insulated PVC sheathed flexible cable



应用/APPLICATION

用于通信基站和建筑物等输、配电线系统中，交流额定电压0.6/1kV及以下阻燃机械保护或埋地固定安装场合。
For communication base stations and buildings and other transmission and distribution line systems, AC rated voltage up to 0.6/1kV flame retardant mechanical protection or buried fixed installation occasions.

执行标准/STANDARDS

YD/T 1173-2016 通信电源用阻燃耐火软电缆
YD/T 1173-2016 Flame-retardant and fire resistant flexible cables for Communication power supply

使用特性/APPLICATION

额定电压 Rated voltage	0.6/1kV AC
导体最高长期工作温度 Maximum continuous operating temperature of the conductor	70℃
安装时最低环境温度 Minimum ambient temperature for installation	-10℃
最小弯曲半径 Minimum bending radius	15D (D: 电缆外径 Cable O.D.)
阻燃性能 Flame retardant	成束 A 类 Bunched flame retardant Cat A: GB/T 18380.33

电缆结构/STRUCTURES

导体 Conductor	裸铜软结构导体 Bare copper flexible stranding conductor
隔离层（若有） Separation layer (if any)	非吸湿性包带 Non-hygroscopic wrapping tape
绝缘 Insulation	阻燃聚氯乙烯 Flame retardant PVC
内衬层 Lining Layer	绕包型内衬层 Wrap-around liner
铠装 Armor	镀锌钢带 Galvanized Steel Strip
护套 Sheath	阻燃聚氯乙烯 Flame retardant PVC

电缆标志/MARKING

中天科技 ZTT ZA-RVV22	规格 Specifications	0.6/1kV YD/T 1173-2016	流水号，米标 Serial No. meters
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颜色识别/COLORS

绝缘 Insulation	
2 芯 2 cores	红、蓝 Red, Blue
3 芯 3 cores	红、黄、绿 Red, Yellow, Green
4 芯 (3+1) 4 cores (3+1)	红、黄、绿、蓝 Red, Yellow, Green, Blue
5 芯 (3+2、4+1) 5 cores (3+2、4+1)	红、黄、绿、蓝、黑 Red, Yellow, Green, Blue, Black
护套 Sheath	黑 Black

结构尺寸和电气参数/DIMENSIONS AND ELECTRICAL PARAMETERS

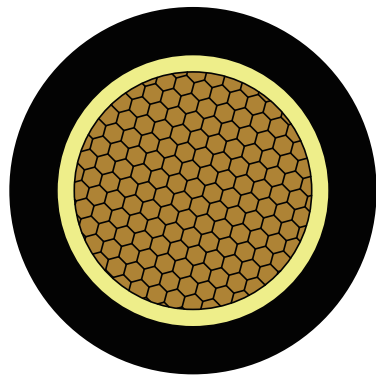
规格 No. × mm	近似外径 Approx. O.D. mm	近似重量 Approx. weight kg/km	20℃导体最大直流电阻 Max. DC resistance of conductor at 20℃ Ω/km	载流量 Current capacity A
				环境温度：40℃ Ambient temperature: 40℃
				三角形敷设 Triangulation
2×1.5	11.8	185	13.3	18
2×2.5	13.2	237	7.98	25
2×4	14.6	301	4.95	33
2×6	15.8	363	3.30	42
2×10	19.0	522	1.91	58
2×16	21.4	698	1.21	76
2×25	24.6	964	0.780	98
2×35	28.3	1268	0.554	120
2×50	32.5	1697	0.386	145
2×70	36.5	2347	0.272	185
2×95	42.2	3030	0.206	230
2×120	45.2	3632	0.161	265
2×150	50.8	4347	0.129	305
2×185	56.0	5420	0.106	350
2×240	62.8	6828	0.0801	415
2×300	70.2	8418	0.0641	475
3×1.5	12.3	211	13.3	15
3×2.5	13.8	275	7.98	21
3×4	15.3	355	4.95	28
3×6	17.0	434	3.30	36
3×10	20.0	637	1.91	50
3×16	22.6	867	1.21	66
3×25	26.0	1213	0.780	85
3×35	29.9	1610	0.554	105
3×50	34.5	2176	0.386	125
3×70	39.3	3029	0.272	160
3×95	44.9	3919	0.206	195
3×120	48.1	4737	0.161	235
3×150	54.1	5675	0.129	265
3×185	59.6	7092	0.106	300
3×240	66.9	9001	0.0801	355
3×300	74.8	11081	0.0641	410
4×1.5	13.4	253	13.3	15
4×2.5	15.1	334	7.98	21
4×4	16.7	434	4.95	28
4×6	18.6	536	3.30	36
4×10	22.0	796	1.91	50
4×16	24.9	1091	1.21	66
4×25	29.2	1537	0.780	85
4×35	33.0	2047	0.554	105
4×50	38.5	2883	0.386	125
4×70	43.4	3862	0.272	160
4×95	50.6	4999	0.206	195
4×120	54.2	6066	0.161	235

规格 No. × mm	近似外径 Approx.. O.D. mm	近似重量 Approx. weight kg/km	20℃导体最大直流电阻 Max. DC resistance of conductor at 20℃ Ω/km	载流量 Current capacity A
				环境温度：40℃ Ambient temperature: 40 ℃
				三角形敷设 Triangulation
4×150	60.4	7363	0.129	265
4×185	66.9	9095	0.106	300
4×240	73.9	11568	0.0801	355
4×300	82.7	14242	0.0641	410
5×1.5	14.6	302	13.3	15
5×2.5	16.5	401	7.98	21
5×4	18.3	507	4.95	28
5×6	19.9	629	3.30	36
5×10	23.7	946	1.91	50
5×16	26.9	1306	1.21	66
5×25	31.7	1857	0.780	85
5×35	36.3	2586	0.554	105
5×50	42.9	3536	0.386	125
5×70	47.7	4741	0.272	160
5×95	55.6	6147	0.206	195
5×120	60.3	7570	0.161	235
5×150	67.5	9071	0.129	265
5×185	73.6	11216	0.106	300
5×240	81.4	14287	0.0801	355
5×300	91.2	17600	0.0641	410
3×1.5+1×1.0	13.2	240	13.3/19.5	15
3×2.5+1×1.5	14.7	308	7.98/13.3	21
3×4+1×2.5	16.4	403	4.95/7.98	28
3×6+1×4	18.2	497	3.30/4.95	36
3×10+1×6	21.1	708	1.91/3.30	50
3×16+1×10	24.1	984	1.21/1.91	66
3×25+1×16	28.3	1383	0.78/1.21	85
3×35+1×16	31.2	1754	0.554/1.21	105
3×50+1×25	36.4	2488	0.386/0.780	125
3×70+1×35	41.3	3332	0.272/0.554	160
3×95+1×50	47.0	4320	0.206/0.386	195
3×120+1×70	51.8	5336	0.161/0.272	235
3×150+1×70	56.6	6273	0.129/0.272	265
3×185+1×95	63.3	7812	0.106/0.206	300
3×240+1×120	69.5	9860	0.0801/0.161	355

规格 No. × mm	近似外径 Approx.. O.D. mm	近似重量 Approx. weight kg/km	20℃导体最大直流电阻 Max. DC resistance of conductor at 20℃ Ω/km	载流量 Current capacity A
				环境温度：40℃ Ambient temperature: 40 ℃
				三角形敷设 Triangulation
3×300+1×150	77.6	12078	0.0641/0.129	410
4×1.5+1×1.0	14.5	289	13.3/19.5	15
4×2.5+1×1.5	16.1	371	7.98/13.3	21
4×4+1×2.5	18.0	473	4.95/7.98	28
4×6+1×4	19.6	590	3.30/4.95	36
4×10+1×6	22.9	855	1.91/3.30	50
4×16+1×10	26.3	1198	1.21/1.91	66
4×25+1×16	30.9	1694	0.78/1.21	85
4×35+1×16	34.3	2178	0.554/1.21	105
4×50+1×25	41.0	3120	0.386/0.780	125
4×70+1×35	45.9	4192	0.272/0.554	160
4×95+1×50	53.4	5442	0.206/0.386	195
4×120+1×70	58.2	6797	0.161/0.272	235
4×150+1×70	64.1	7928	0.129/0.272	265
4×185+1×95	70.4	9869	0.106/0.206	300
4×240+1×120	77.4	12490	0.0801/0.161	355
4×300+1×150	86.6	15323	0.0641/0.129	410
3×1.5+2×1.0	14.3	280	13.3/19.5	15
3×2.5+2×1.5	15.8	354	7.98/13.3	21
3×4+2×2.5	17.7	452	4.95/7.98	28
3×6+2×4	19.2	564	3.3/4.95	36
3×10+2×6	22.2	795	1.91/3.30	50
3×16+2×10	25.6	1125	1.21/1.91	66
3×25+2×16	30.0	1585	0.78/1.21	85
3×35+2×16	32.7	1953	0.554/1.21	105
3×50+2×25	38.6	2822	0.386/0.78	125
3×70+2×35	44.1	3793	0.272/0.554	160
3×95+2×50	51.1	4937	0.206/0.386	195
3×120+2×70	55.5	6187	0.161/0.272	235
3×150+2×70	59.8	7111	0.129/0.272	265
3×185+2×95	67.2	8906	0.106/0.206	300
3×240+2×120	73.5	11192	0.0801/0.161	355
3×300+2×150	82.1	13689	0.0641/0.129	410

铜芯阻燃耐火低烟无卤阻燃聚烯烃绝缘软电缆

Copper core flame retardant and fire resistant low smoke and halogen free flame retardant polyolefin insulated flexible cable



应用/APPLICATION

用于通信基站和建筑物等输、配电线系统中，交流额定电压450/750V及以下低烟无卤耐火的输电、保护或接地固定安装场合。
Used in communication base stations and buildings and other transmission and distribution line systems, AC rated voltage up to 450/750V flame smoke halogen-free fire-resistant transmission, protection or grounding fixed installation occasions.

执行标准/STANDARDS

YD/T 1173-2016 通信电源用阻燃耐火软电缆
YD/T 1173-2016 Flame-retardant and fire resistant flexible cables for Communication power supply

使用特性/APPLICATION

额定电压 Rated voltage	450/750V AC
导体最高长期工作温度 Maximum continuous operating temperature of the conductor	70℃
安装时最低环境温度 Minimum ambient temperature for installation	-10℃
最小弯曲半径 Minimum bending radius	15D (D: 电缆外径 Cable O.D.)
耐火性能 Fire resistance	通过 IEC 60331-21, 900-1000℃线路完整性试验 Passed IEC 60332-21, 900-1000℃ line integrity test
无卤性能 Halogen-free performance	IEC 60754-2, pH 值≥ 4.3, 电导率≤ 10us/mm IEC 60754-2, pH ≥ 4.3, conductivity ≤ 10 μ S/mm
低烟性能 Low smoke performance	IEC 61034-2, 烟密度≥ 60% IEC 61034-2, Smoke density ≥ 60%

电缆结构/STRUCTURES

导体 Conductor	裸铜软结构导体 Bare copper flexible stranding conductor
隔离层 Separation layer	耐火云母带 Fire-resistant mica tape
绝缘 Insulation	低烟无卤聚烯 Low-smoke halogen-free polyolefin

颜色识别/COLORS

绝缘: 红、黄、绿、蓝、黑、棕、黄 / 绿 Insulation: red, yellow, green, blue, black, brown, yellow/green

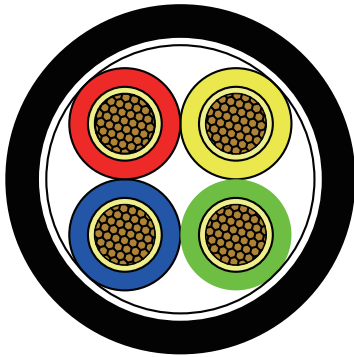
电缆标志/MARKING

2.5mm² 及以下 2.5mm² and below	中天科技 WDZN-RY 规格 450/750V YD/T 1173-2016 流水号 米标 ZTT WDZN-RY Specifications 450/750V YD/T 1173-2016 Serial No. meters
4mm² 及以上 4mm² and above	中天科技 WDZN-RY 规格 450/750V YD/T 1173-2016 流水号 米标 ZTT WDZN-RY Specification 450/750V YD/T 1173-2016 Serial No. meters

结构尺寸和电气参数/DIMENSIONS AND ELECTRICAL PARAMETERS

规格 No. × mm	近似外径 Approx.. O.D. mm	近似重量 Approx. weight kg/km	20℃导体最大直流电阻 Max. DC resistance of conductor at 20℃ Ω/km	载流量 Current capacity A	
				环境温度: 40℃ Ambient temperature: 40℃	
				三角形敷设 Triangulation	水平分离敷设 Horizontal separation
1×1.5	3.7	25	13.3	14	21
1×2.5	4.3	37	7.98	19	29
1×4	4.9	53	4.95	26	38
1×6	5.5	70	3.30	33	49
1×10	7.0	117	1.91	48	68
1×16	8.3	174	1.21	65	91
1×25	9.9	263	0.780	89	120
1×35	11.3	360	0.554	110	150
1×50	12.9	497	0.386	135	180
1×70	14.7	702	0.272	175	230
1×95	17.1	920	0.206	220	290
1×120	18.6	1149	0.161	255	335
1×150	20.9	1389	0.129	295	390
1×185	23.0	1746	0.106	345	450
1×240	26.1	2274	0.0801	420	545
1×300	29.6	2808	0.0641	490	630
1×400	33.9	3722	0.0486	575	735

铜芯阻燃耐火低烟无卤聚烯烃绝缘低烟无卤聚烯烃护套软电缆
Copper core flame retardant and fire resistant low smoke and halogen free polyolefin
insulated low smoke and halogen free polyolefin sheathed flexible cable



应用/APPLICATION

用于通信基站和建筑物等输、配电线系统中，交流额定电压0.6/1kV及以下低烟无卤耐火无需机械保护固定安装场合。
Used in communication base stations and buildings and other transmission and distribution line systems, AC rated voltage up to 0.6/1kV flame smoke halogen-free fire-resistant without mechanical protection fixed installation occasions.

执行标准/STANDARDS

YD/T 1173-2016 通信电源用阻燃耐火软电缆
YD/T 1173-2016 Flame-retardant and fire resistant flexible cables for Communication power supply

使用特性/APPLICATION

额定电压 Rated voltage	0.6/1kV AC
导体最高长期工作温度 Maximum continuous operating temperature of the conductor	70℃
安装时最低环境温度 Minimum ambient temperature for installation	-10℃
最小弯曲半径 Minimum bending radius	8D (D: 电缆外径 Cable O.D.)
耐火性能 Fire resistance	通过 IEC 60331-21, 900-1000℃线路完整性试验 Passed IEC 60331-21, 900-1000 °C line integrity test
无卤性能 Halogen-free performance	IEC 60754-2, pH 值 ≥ 4.3, 电导率 ≤ 10us/ IEC 60754-2, mmph ≥ 4.3, conductivity ≤ 10 μ S/mm
低烟性能 Low smoke performance	IEC 61034-2, 烟密度 ≥ 60% IEC 61034-2, Smoke density ≥ 60%

电缆结构/STRUCTURES

导体 Conductor	裸铜软结构导体 Bare copper flexible stranding conductor
隔离层 Separation layer	耐火云母带 Fire-resistant mica tape
绝缘 Insulation	低烟无卤聚烯烃 Low-smoke halogen-free polyolefin
护套 Sheath	低烟无卤聚烯烃 Low-smoke halogen-free polyolefin

电缆标志/MARKING

中天科技 WDZCN-RYY 规格 0.6/1kV YD/T 1173-2016 流水号 米标
ZTT WDZCN-RYY Specification 0.6/1kV YD/T 1173-2016 Serial No. meters

颜色识别/COLORS

绝缘 Insulation	
1 芯 1 core	任意 (优选黑色) any (preferably black)
2 芯 2 cores	红、蓝 Red、Blue
3 芯 3 cores	红、黄、绿 Red、Yellow、Green
4 芯 (3+1) 4 cores (3+1)	红、黄、绿、蓝 Red、Yellow、Green、Blue
5 芯 (3+2、4+1) 5 cores (3+2、4+1)	红、黄、绿、蓝、黑 Red、Yellow、Green、Blue、Black
护套 Sheath	
1 芯 1 core	红、黄、绿、蓝、黑、棕、黄 / 绿 Red、Yellow、Green、Blue、Black、Brown、 yellow/Green
其他 others	黑色 Black

结构尺寸和电气参数/DIMENSIONS AND ELECTRICAL PARAMETERS

► 单芯电缆 Single-core cable ◀

规格 No. × mm	近似外径 Approx... O.D. mm	近似重量 Approx. weight kg/km	20℃导体最大直流电阻 Max. DC resistance of conductor at 20℃ Ω/km	载流量 Current capacity A	
				环境温度：40℃ Ambient temperature: 40 °C	
				三角形敷设 Triangulation	水平分离敷设 Horizontal separation
1×1.5	4.7	34	13.3	14	21
1×2.5	5.4	48	7.98	24	31
1×4	6.3	70	4.95	32	41
1×6	6.9	89	3.30	40	52
1×10	8.9	148	1.91	55	70
1×16	10.1	209	1.21	74	97
1×25	11.7	304	0.780	95	120
1×35	13.5	419	0.554	115	150
1×50	15.6	572	0.386	140	180
1×70	17.4	785	0.272	180	230
1×95	20.2	1033	0.206	220	280
1×120	21.7	1271	0.161	255	325
1×150	24.0	1524	0.129	295	375
1×185	26.5	1916	0.106	340	430
1×240	29.6	2461	0.0801	405	515
1×300	33.5	3048	0.0641	470	595
1×400	38.2	4026	0.0486	550	700

► 多芯电缆 Multi-core cable ◀

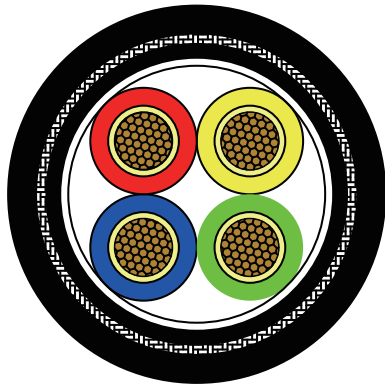
规格 No. × mm	近似外径 Approx... O.D. mm	近似重量 Approx. weight kg/km	20℃导体最大直流电阻 Max. DC resistance of conductor at 20℃ Ω/km	载流量 Current capacity A	
				环境温度：40℃ Ambient temperature: 40 °C	
				水平分离敷设 Horizontal separation	
2×1.5	9.9	103	13.3	18	
2×2.5	11.1	138	7.98	25	
2×4	12.7	192	4.95	33	
2×6	14.3	241	3.30	42	
2×10	17.3	380	1.91	58	
2×16	19.9	531	1.21	76	
2×25	23.1	758	0.780	98	
2×35	26.8	1024	0.554	120	
2×50	30.0	1361	0.386	145	
2×70	33.6	1846	0.272	185	
2×95	39.3	2428	0.206	230	
2×120	42.3	2964	0.161	265	
2×150	47.9	3572	0.129	305	
2×185	52.5	4460	0.106	350	
2×240	59.3	5708	0.0801	415	

规格 No. × mm	近似外径 Approx.. O.D. mm	近似重量 Approx. weight kg/km	20℃导体最大直流电阻 Max. DC resistance of conductor at 20℃ Ω/km	载流量 Current capacity A
				环境温度：40℃ Ambient temperature: 40 ℃
				水平分离敷设 Horizontal separation
2×300	66.7	7093	0.0641	475
3×1.5	10.9	138	13.3	15
3×2.5	12.2	187	7.98	21
3×4	13.9	246	4.95	28
3×6	15.1	311	3.30	36
3×10	18.8	515	1.91	49
3×16	21.6	724	1.21	66
3×25	25.5	1039	0.780	84
3×35	28.9	1404	0.554	100
3×50	32.4	1879	0.386	125
3×70	36.8	2568	0.272	160
3×95	42.4	3369	0.206	195
3×120	45.6	4129	0.161	235
3×150	51.6	4974	0.129	260
3×185	56.5	6214	0.106	305
3×240	63.8	7982	0.0801	360
3×300	71.7	9885	0.0641	410
4×1.5	11.8	168	13.3	15
4×2.5	13.2	231	7.98	21
4×4	15.1	308	4.95	28
4×6	16.9	407	3.30	36
4×10	20.9	668	1.91	49
4×16	24.0	941	1.21	66
4×25	28.4	1356	0.780	84
4×35	32.2	1833	0.554	100
4×50	36.6	2456	0.386	125
4×70	40.9	3360	0.272	160
4×95	48.1	4401	0.206	195
4×120	51.7	5404	0.161	235
4×150	57.3	6509	0.129	260
4×185	63.8	8136	0.106	305
4×240	70.8	10458	0.0801	360
4×300	79.7	12948	0.0641	410
5×1.5	13.2	213	13.3	15
5×2.5	15.2	292	7.98	21
5×4	17.2	403	4.95	28
5×6	18.8	511	3.30	36
5×10	23.1	831	1.91	49
5×16	27.1	1171	1.21	66
5×25	31.5	1692	0.780	84
5×35	35.6	2280	0.554	100
5×50	40.5	3059	0.386	125
5×70	45.3	4188	0.272	160
5×95	53.2	5483	0.206	195
5×120	57.2	6734	0.161	235
5×150	64.5	8116	0.129	260
5×185	70.5	10133	0.106	305
5×240	78.4	13037	0.0801	360
5×300	88.2	16127	0.0641	410
3×1.5+1×1.0	11.6	161	13.3/19.5	15
3×2.5+1×1.5	12.9	216	7.98/13.3	21
3×4+1×2.5	15.1	301	4.95/7.98	28
3×6+1×4	16.6	386	3.30/4.95	36

规格 No. × mm	近似外径 Approx.. O.D. mm	近似重量 Approx. weight kg/km	20℃导体最大直流电阻 Max. DC resistance of conductor at 20℃ Ω/km	载流量 Current capacity A
				环境温度：40℃ Ambient temperature: 40 ℃
				水平分离敷设 Horizontal separation
3×10+1×6	20.1	610	1.91/3.30	49
3×16+1×10	23.2	871	1.21/1.91	66
3×25+1×16	27.4	1250	0.780/1.21	84
3×35+1×16	30.4	1611	0.554/1.21	100
3×50+1×25	34.2	2180	0.386/0.780	125
3×70+1×35	38.8	2970	0.272/0.554	160
3×95+1×50	44.6	3915	0.206/0.386	195
3×120+1×70	49.4	4897	0.161/0.272	235
3×150+1×70	53.6	5713	0.129/0.272	260
3×185+1×95	60.2	7193	0.106/0.206	305
3×240+1×120	66.4	9178	0.0801/0.161	360
3×300+1×150	74.5	11321	0.0641/0.129	410
4×1.5+1×1.0	13.0	206	13.3/19.5	15
4×2.5+1×1.5	14.8	275	7.98/13.3	21
4×4+1×2.5	16.9	384	4.95/7.98	28
4×6+1×4	18.5	489	3.30/4.95	36
4×10+1×6	22.4	773	1.91/3.30	49
4×16+1×10	26.4	1102	1.21/1.91	66
4×25+1×16	30.6	1586	0.780/1.21	84
4×35+1×16	34.0	2058	0.554/1.21	100
4×50+1×25	38.8	2783	0.386/0.780	125
4×70+1×35	43.5	3801	0.272/0.554	160
4×95+1×50	50.9	4993	0.206/0.386	195
4×120+1×70	55.1	6224	0.161/0.272	235
4×150+1×70	61.1	7314	0.129/0.272	260
4×185+1×95	67.3	9191	0.106/0.206	305
4×240+1×120	74.4	11753	0.0801/0.161	360
4×300+1×150	83.6	14505	0.0641/0.129	410
3×1.5+2×1.0	12.8	198	13.3/19.5	15
3×2.5+2×1.5	14.5	259	7.98/13.3	21
3×4+2×2.5	16.5	363	4.95/7.98	28
3×6+2×4	18.2	468	3.30/4.95	36
3×10+2×6	21.7	715	1.91/3.30	49
3×16+2×10	25.2	1034	1.21/1.91	66
3×25+2×16	29.7	1480	0.780/1.21	84
3×35+2×16	32.4	1840	0.554/1.21	100
3×50+2×25	37.2	2513	0.386/0.780	125
3×70+2×35	41.6	3413	0.272/0.554	160
3×95+2×50	48.7	4514	0.206/0.386	195
3×120+2×70	53.0	5719	0.161/0.272	235
3×150+2×70	57.2	6580	0.129/0.272	260
3×185+2×95	64.1	8259	0.106/0.206	305
3×240+2×120	70.5	10491	0.0801/0.161	360
3×300+2×150	79.0	12903	0.0641/0.129	410

铜芯阻燃耐火低烟无卤聚烯烃绝缘钢带铠装低烟无卤聚烯烃护套软电缆

Copper core flame retardant and fire resistant low smoke and halogen free polyolefin insulated steel tape armored low smoke and halogen free polyolefin sheathed flexible cable



应用/APPLICATION

用于通信基站和建筑物等输、配电线系统中，交流额定电压0.6/1kV及以下的低烟无卤耐火机械保护或埋地固定安装场合。
Used in communication base stations and buildings and other transmission and distribution line systems, AC rated voltage up to 0.6/1kV , low smoke halogen-free fire-resistant mechanical protection or buried fixed installation occasions.

执行标准/STANDARDS

YD/T 1173-2016 通信电源用阻燃耐火软电缆
YD/T 1173-2016 Flame-retardant and fire resistant flexible cables for Communication power supply

使用特性/CHARACTERISTICS

额定电压 Rated voltage	0.6/1kV AC
导体最高长期工作温度 Maximum continuous operating temperature of the conductor	70℃
安装时最低环境温度 Minimum ambient temperature for installation	-10℃
最小弯曲半径 Minimum bending radius	15D(D: 电缆外径 Cable O.D.)
耐火性能 Fire resistance	通过 IEC 60331-21, 900-1000℃线路完整性试验 Passed IEC 60331-21, 900-1000 °C line integrity test
无卤性能 Halogen-free performance	IEC 60754-2, pH 值 ≥ 4.3, 电导率 ≤ 10us/mm IEC 60754-2, pH ≥ 4.3, conductivity ≤ 10 μ S/mm
低烟性能 Low smoke performance	IEC 61034-2, 烟密度 ≥ 60% IEC 61034-2, Smoke density ≥ 60%

电缆标志/MARKING

中天科技 WDZCN-RYY23 规格 0.6/1kV YD/T 1173-2016 流水号 米标 ZTT WDZCN-RYY23 Specification 0.6/1kV YD/T 1173-2016 Serial No. meters

颜色识别/COLORS

绝缘 Insulation	
2 芯 2 cores	红、蓝 Red, Blue
3 芯 3 cores	红、黄、绿 Red, Yellow, Green
4 芯 (3+1) 4 cores (3+1)	红、黄、绿、蓝 Red, Yellow, Green, Blue
5 芯 (3+2、4+1) 5 cores (3+2、4+1)	红、黄、绿、蓝、黑 Red, Yellow, Green, Blue, Black
护套 Sheath	黑色 Black

电缆结构/STRUCTURES

导体 Conductor	裸铜软结构导体 Bare copper flexible stranding conductor
隔离层 Separation layer	耐火云母带 Fire-resistant mica tape
绝缘 Insulation	低烟无卤聚烯烃 Low-smoke halogen-free polyolefin
内衬层 Lining Layer	低烟无卤聚烯烃 Low-smoke halogen-free polyolefin
铠装 Armor	镀锌钢带 Galvanized Steel Strip
护套 Sheath	低烟无卤聚烯烃 Low-smoke halogen-free polyolefin

结构尺寸和电气参数/DIMENSIONS AND ELECTRICAL PARAMETERS

规格 No. × mm	近似外径 Approx. O.D. mm	近似重量 Approx. weight kg/km	20℃导体最大直流电阻 Max. DC resistance of conductor at 20℃ Ω/km	载流量 Current capacity A
				环境温度：40℃ Ambient temperature: 40 °C
				水平分离敷设 Horizontal separation
2 × 1.5	13.9	256	13.3	18
2 × 2.5	15.1	309	7.98	25
2 × 4	16.7	383	4.95	33
2 × 6	18.3	448	3.30	42
2 × 10	20.9	608	1.91	58
2 × 16	23.5	793	1.21	76
2 × 25	26.7	1061	0.780	98
2 × 35	30.4	1367	0.554	120
2 × 50	33.6	1744	0.386	145
2 × 70	37.6	2384	0.272	185
2 × 95	43.3	3046	0.206	230
2 × 120	46.3	3631	0.161	265
2 × 150	52.1	4336	0.129	305
2 × 185	56.9	5322	0.106	350
2 × 240	63.9	6697	0.0801	415
2 × 300	71.5	8239	0.0641	475
3 × 1.5	14.5	290	13.3	15
3 × 2.5	15.8	356	7.98	21
3 × 4	17.9	448	4.95	28
3 × 6	19.1	529	3.30	36
3 × 10	22.0	740	1.91	50
3 × 16	24.8	982	1.21	66
3 × 25	28.7	1337	0.780	85
3 × 35	32.1	1741	0.554	105
3 × 50	35.6	2255	0.386	125
3 × 70	40.4	3107	0.272	160
3 × 95	46.0	3987	0.206	195
3 × 120	49.4	4820	0.161	235
3 × 150	55.6	5766	0.129	265
3 × 185	60.5	7079	0.106	300
3 × 240	68.0	8975	0.0801	355
3 × 300	76.3	11073	0.0641	410
4 × 1.5	15.8	346	13.3	15
4 × 2.5	17.2	428	7.98	21

规格 No. × mm	近似外径 Approx.. O.D. mm	近似重量 Approx. weight kg/km	20℃导体最大直流电阻 Max. DC resistance of conductor at 20℃ Ω/km	载流量 Current capacity A	
				环境温度：40℃ Ambient temperature: 40 ℃	
				水平分离敷设 Horizontal separation	
4×4	19.5	543	4.95	28	
4×6	20.9	648	3.30	36	
4×10	24.1	916	1.91	50	
4×16	27.2	1225	1.21	66	
4×25	31.6	1685	0.780	85	
4×35	35.4	2205	0.554	105	
4×50	40.2	2987	0.386	125	
4×70	44.5	3956	0.272	160	
4×95	51.9	5109	0.206	195	
4×120	55.7	6194	0.161	235	
4×150	61.3	7384	0.129	265	
4×185	68.0	9124	0.106	300	
4×240	75.4	11625	0.0801	355	
4×300	84.5	14300	0.0641	410	
5×1.5	17.2	409	13.3	15	
5×2.5	19.2	510	7.98	21	
5×4	20.8	627	4.95	28	
5×6	22.4	756	3.30	36	
5×10	25.9	1078	1.91	50	
5×16	29.9	1457	1.21	66	
5×25	34.3	2024	0.780	85	
5×35	38.8	2765	0.554	105	
5×50	44.1	3644	0.386	125	
5×70	49.1	4868	0.272	160	
5×95	57.2	6291	0.206	195	
5×120	61.2	7605	0.161	235	
5×150	68.7	9115	0.129	265	
5×185	74.9	11257	0.106	300	
5×240	83.2	14365	0.0801	355	
5×300	93.2	17661	0.0641	410	
3×1.5+1×1.0	15.6	338	13.3/19.5	15	
3×2.5+1×1.5	16.9	411	7.98/13.3	21	
3×4+1×2.5	19.1	520	4.95/7.98	28	
3×6+1×4	20.6	627	3.30/4.95	36	
3×10+1×6	23.3	853	1.91/3.30	50	
3×16+1×10	26.4	1152	1.21/1.91	66	
3×25+1×16	30.6	1577	0.780/1.21	85	
3×35+1×16	33.6	1973	0.554/1.21	105	
3×50+1×25	37.8	2696	0.386/0.780	125	

规格 No. × mm	近似外径 Approx.. O.D. mm	近似重量 Approx. weight kg/km	20℃导体最大直流电阻 Max. DC resistance of conductor at 20℃ Ω/km	载流量 Current capacity A	
				环境温度：40℃ Ambient temperature: 40 ℃	
				水平分离敷设 Horizontal separation	
3×70+1×35	42.4	3550	0.272/0.554	160	
3×95+1×50	48.2	4582	0.206/0.386	195	
3×120+1×70	53.2	5648	0.161/0.272	235	
3×150+1×70	57.6	6560	0.129/0.272	265	
3×185+1×95	64.4	8159	0.106/0.206	300	
3×240+1×120	70.8	10283	0.0801/0.161	355	
3×300+1×150	79.1	12601	0.0641/0.129	410	
4×1.5+1×1.0	17.0	400	13.3/19.5	15	
4×2.5+1×1.5	18.8	490	7.98/13.3	21	
4×4+1×2.5	20.5	608	4.95/7.98	28	
4×6+1×4	22.1	734	3.3/4.95	36	
4×10+1×6	25.2	1019	1.91/3.30	50	
4×16+1×10	29.2	1388	1.21/1.91	66	
4×25+1×16	33.4	1919	0.780/1.21	85	
4×35+1×16	36.8	2428	0.554/1.21	105	
4×50+1×25	42.4	3360	0.386/0.780	125	
4×70+1×35	47.1	4452	0.272/0.554	160	
4×95+1×50	54.7	5766	0.206/0.386	195	
4×120+1×70	59.1	7092	0.161/0.272	235	
4×150+1×70	65.3	8295	0.129/0.272	265	
4×185+1×95	71.7	10309	0.106/0.206	300	
4×240+1×120	79.0	13031	0.0801/0.161	355	
4×300+1×150	88.4	15987	0.0641/0.129	410	
3×1.5+2×1.0	16.8	390	13.3/19.5	15	
3×2.5+2×1.5	18.5	470	7.98/13.3	21	
3×4+2×2.5	20.1	581	4.95/7.98	28	
3×6+2×4	21.8	709	3.30/4.95	36	
3×10+2×6	24.5	953	1.91/3.30	50	
3×16+2×10	28.0	1311	1.21/1.91	66	
3×25+2×16	32.5	1803	0.780/1.21	85	
3×35+2×16	35.2	2191	0.554/1.21	105	
3×50+2×25	40.8	3066	0.386/0.780	125	
3×70+2×35	45.2	4034	0.272/0.554	160	
3×95+2×50	52.5	5252	0.206/0.386	195	
3×120+2×70	57.0	6553	0.161/0.272	235	
3×150+2×70	60.8	7425	0.129/0.272	265	
3×185+2×95	68.3	9289	0.106/0.206	300	
3×240+2×120	74.9	11665	0.0801/0.161	355	
3×300+2×150	83.8	14301	0.0641/0.129	410	

电缆载流量修正系数
Correction factor for cable current capacity

电缆不同环境温度时的载流量修正系数表
Table of correction factors for current capacity of cables at different ambient temperatures

导体最高工作温度 ℃ Maximum conductor temperature ℃	环境温度 Ambient temperature℃							
	20	25	30	35	40	45	50	55
70	1.36	1.28	1.19	1.10	1.00	0.90	0.78	0.66

单芯电缆构成的多回路空气中敷设情况下载流量降低系数表
Table of download flow reduction factor for multi-circuit laying in air with single-core cables

敷设方式 Laying methods		托盘数 No. of pallets	三相回路数 Number of three-phase circuits			用于下列回路 For the following circuits
			1	2	3	
有孔托盘或托架 Perforated trays or brackets	电缆相互接触 Cables touching each other	1	0.98	0.91	0.87	平行排列三根电缆 Three cables in parallel
		2	0.96	0.87	0.81	
		3	0.95	0.85	0.78	
梯架、夹具支持物 Ladder racks、 fixture supports	电缆相互接触 Cables touching each other	1	1.00	0.97	0.96	
		2	0.98	0.93	0.89	
		3	0.97	0.90	0.86	
穿孔托架 Perforated brackets	电缆相互分离 Cables separate from each other	1	1.00	0.98	0.96	三角形排列三根电缆 Triangulation of three cables
		2	0.97	0.93	0.89	
		3	0.96	0.92	0.86	
垂直有空托架 Vertical empty bracket	电缆相互分离 Cables separate from each other	1	1.00	0.91	0.89	
		2	1.00	0.90	0.86	
梯架物支架夹具 Ladder holder fixture	电缆相互接触 Cables touching each other	1	1.00	1.00	1.00	
		2	0.97	0.95	0.93	
		3	0.96	0.94	0.90	
注：托盘或托架之间垂直间隙≥ 300mm，水平间隔≥ 225mm，与墙之间的距离≥ 20mm Note : Vertical clearance between pallets or trays ≥ 300mm, horizontal interval ≥ 225mm, distance from the wall ≥ 20mm						

电缆不同环境温度时的载流量修正系数表
Table of correction factors for current capacity of cables at different ambient temperatures

敷设方式 Laying methods		托盘数 No. of pallets	电缆数					
			1	2	3	4	8	9
有孔托盘或托架 Perforated trays or brackets	电缆相互接触 Cables touching each other	1	1.00	0.88	0.82	0.79	0.76	0.73
		2	1.00	0.87	0.80	0.77	0.73	0.68
		3	1.00	0.86	0.79	0.76	0.71	0.66
	电缆相互分离 Cables separate from each other	1	1.00	1.00	0.98	0.95	0.91	—
		2	1.00	0.99	0.96	0.92	0.87	—
		3	1.00	0.98	0.95	0.91	0.85	—
垂直托盘托架 Vertical Pallet Tray	电缆相互接触 Cables touching each other	1	1.00	0.88	0.82	0.78	0.73	0.72
		2	1.00	0.88	0.81	0.76	0.71	0.70
	电缆相互分离 Cables separate from each other	1	1.00	0.91	0.89	0.88	0.87	—
		2	1.00	0.91	0.88	0.87	0.85	—
梯架、夹具支持物 Ladder racks、 fixture supports	电缆相互接触 Cables touching each other	1	1.00	0.87	0.82	0.80	0.79	0.78
		2	1.00	0.86	0.80	0.78	0.76	0.73
		3	1.00	0.85	0.79	0.76	0.73	0.70
	电缆相互分离 Cables separate from each other	1	1.00	1.00	1.00	1.00	1.00	—
		2	1.00	0.98	0.98	0.97	0.96	—
		3	1.00	0.97	0.97	0.96	0.93	—
注：托盘或托架之间垂直间隙≥ 300mm，水平间隔≥ 225mm，与墙之间的距离≥ 20mm Note : Vertical clearance between pallets or trays ≥ 300mm, horizontal interval ≥ 225mm, distance from the wall ≥ 20mm								