FO GOLDEN

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TC Smart Systems Group

PRODUCT CONTENTS

FO GOLDEN

“TC Smart Systems your right choose”

Tiancheng Smart Systems Group was founded in 1988. It is the only domestic group specializing in development and production of a full range of intelligent products, such as weak cables, integrated wiring and IP audio & video broadcasting, etc. TC group was also the first established, the most highly positioned and the largest manufacturer in weak intelligence industry.

TC Group shares or controls some subsidiary companies, such as Jiangsu Tiancheng Smart Systems Group Co., Ltd. (parent company), Shanghai Tiancheng Communication Technology Co., Ltd., Chengdu Zhongheng Network Co., Ltd., Shanghai Tiancheng Wire & Cable Co., Ltd., Shanghai Tiancheng Cable Sales Co., Ltd., and Hainan Tiancheng Real Estate Co., Ltd.. TC Group possesses the R & D and production area of over 150,000 square meters, with more than 1,000 dedicated employees. Its’annual output value reaches 1.2 billion RMB. After 24 years of development, TC Group has formed a development pattern that Shanghai as the center of R & D, sales and management, Yangzhou of Jiangsu and Chengdu as the production bases. At present, all TC people are cooperating with absolute sincerity in harmony and making efforts to “create a brand, cultivate a kind of culture, build a team and make a career”.

TC Group divisions have owned four registered trademarks: “Tiancheng”,“Songyi”,“TC” and“Zhongheng”.“Tiancheng” brand products of weak electrical cable and integrated wiring are oriented to top-grade intelligent buildings and national key big engineering projects. “Zhongheng” brand products of weak electrical cable are to the medium and high-grade projects, thus meeting the market requirements of different customers. “Tiancheng” IP broadcasting and peripheral facilities are to the high-grade projects. TC Group is dedicated to providing high quality products and system solutions for the key security monitoring systems at home and abroad, the full range of intelligent building subsystems and such trades or places as military, aerospace, banks, schools, hospitals, intelligent buildings, mining, transportation, public places and Intelligent Communities, etc.

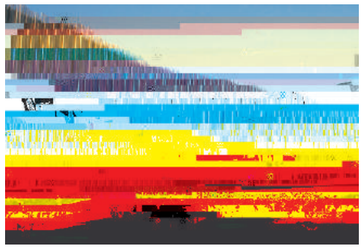
After a long period of accumulation, TC Group is completely capable of meeting or exceeding the demands of the market, with full authentication certificates, which includes but not limits to the following: ISO9000 Quality System Certification, ISO 14000 Environmental Certification, the 3C Certification, Production License, CATV System Radio Network Card, Tell Certification, Network Card by Ministry of Information Industry, Military Product Certification, Mine Cable Security Certification, Quality Certificate for Export Products as well as a variety of related inspection reports.

So far, TC Group has set up more than 90 offices throughout the country and built the sales management and market service system consisting of more than 700 sales elites. Through the unremitting efforts and constant accumulation, TC Group has achieved tens of thousands of iconic model projects, occupying a very high share in high-grade projects.

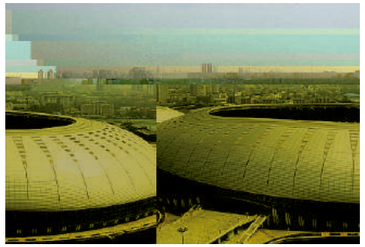
For years, TC Group has consistently insisted on the corporate philosophy of “God rewards those who work hard and good faith”, and adhered to the operating principle of “excellent quality, moderate price and first-class service”. TC Group has won the customers’ recognition and praise with hard work and good faith. Cared and supported by the broad masses of customers, TC Group has created a brilliant yesterday with the spirit of “solidarity, struggling, practicality and innovation”. Now, in the weak electric intelligent industry, all Tiancheng people are in the pursuit of" Tiancheng wiring makes China strong.”, trying to revitalize the national industry as our own duty, working together with the elites in this industry , and striving to achieve the long-cherished wish of “Serving the country through industrial development is the way for the rise of China”!

“ TC Smart Systems

Sample project ”






01 02
03 04 05
06 07 08

01 / Beijing Olympic Basketball Gymnasium
02 / National Stadium
03 / The Olympic village
04 / National Convention Center
05 / National Indoor Stadium
06 / National Library
07 / Tianjin Olympic Center Stadium
08 / Qingdao Olympic Sailing Center



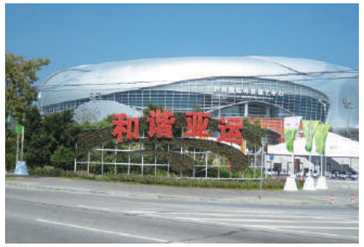






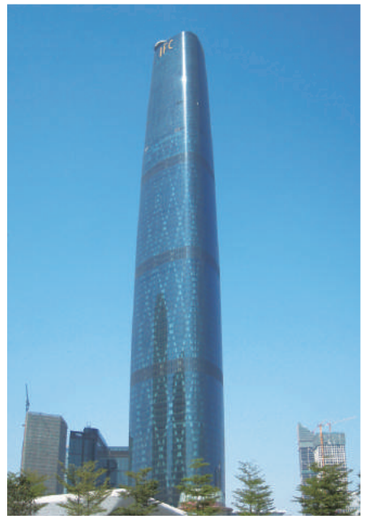

01/Chinese Pavilion, Shanghai Expo
02/ Africa Joint Pavilion, Shanghai Expo
03/ Saudi Arabia Pavilion, Shanghai Expo
04/ Expo boulevard
05/ the Expo Performance Center
06/ The Theme Pavilion of Shanghai World Expo
07/ Xi'an Pavilion, Shanghai Expo
08/ Italy Pavilion, Shanghai Expo
09/ALSACE Cases Pavilion, Shanghai Expo
10/Macao Pavilion, Shanghai Expo

01 02 03
04 05 06
07 08 09
10



01 02 03
04 05
06 07

01/ Guangzhou international sports and entertainment center
02/ The Asian Games venues-Olympic Stadium
03/ Sea heart sand
04/ Guangzhou Sport University
05/ The Asian Games project--Policing Command Center
06/ Expo officials Village
07/ The Asian Games project-- LUOGANG convention center



01 02 03
04 05 06
07 08
09

01/ Shanghai Global Financial Center
02/ Guangzhou Pearl River Tower
03/ Chongqing sheraton hotel
04/ Xigang International Building
05/ The Palace Museum
06/ Chairman Mao Zedong Memorial Hall
07/ Changzhou Olympic Sports Center
08/ Henan arts center
09/ Hefei City Hall building

TC CONTENTS

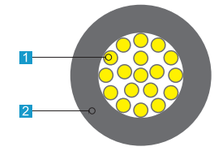
POWER CONTROL CABLES

A series PVC insulated wires and cables for installation

Introduction

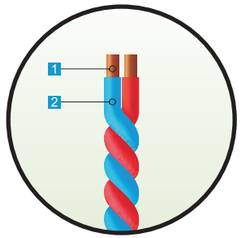
This product is used for internal wiring of installation of electrical appliances, instruments, electronic equipment and automatic equipment with rated AC voltageU_0/U 300/300V or below. the temperature of the cables is between -15 to 70℃ for a long-term using. The laying temperature of the cables is not less than 0℃, and temperature can be customized for special use.

Product structure of AVR



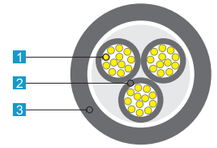
1 Bunch- stranded conductor
2 PVC insulation

Product structure of AVRS



1 Bunch- stranded conductor
2 PVC insulation

Product structure of AVVR



1 Bunch- stranded conductor
2 PVC insulation
2 PVC sheath

AVR- TYPE 300/300V COPPER CORED AND PVC INSULATED FLEXIBLE CABLE FOR INSTALLATION

Nominal cross -section (mm^2)	The maximum diameter of single conductor (mm)	Nominal value of insulation thickness (mm)	Upper limit of average diameter (mm)	Max.conductor resistance at 20℃ (Ω/km)		Min. insulation resistance at 70℃ (MΩ/km)
				Copper core	Tinned copper core	
0.08	0.13	0.4	1.3	247	254	0.018
0.12	0.16	0.4	1.5	158	163	0.016
0.2	0.16	0.4	1.6	92.3	95.0	0.014
0.3	0.16	0.5	2	69.2	71.2	0.014
0.4	0.16	0.5	2.1	48.2	49.6	0.012

AVRS TYPE 300/300V COPPER CORED AND PVC INSULATED TWISTED FLEXIBLE CABLE FOR INSTALLATION

Core number x Nominal cross-section (mm^2)	The maximum diameter of single conductor (mm)	Nominal value of insulation thickness (mm)	Upper limit of average diameter (mm)	Max.conductor resistance at 20℃ (Ω/km)		Min. insulation resistance at 70℃ (MΩ/km)
				Copper core	Tinned copper core	
2×0.12	0.16	0.5	3.4	158	163	0.018
2×0.2	0.16	0.6	4.2	92.3	95.0	0.017
2×0.3	0.16	0.6	4.4	69.2	71.2	0.016
2×0.4	0.16	0.6	4.8	48.2	49.6	0.014

AVVR TYPE 300/300V COPPER CORED AND PVC INSULATED AND SHEATHED FLEXIBLE CABLE FOR INSTALLATION

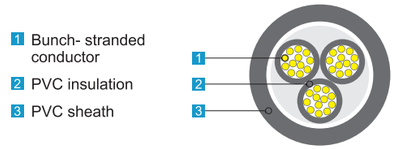
Core number x nominal cross section (mm^2)	The maximum diameter of single conductor (mm)	Nominal value of insulation thickness (mm)	Nominal value of jacket thickness (mm)	Average outside diameter or overall dimensions		Max.conductor resistance at 20℃ (Ω/km)		Min. insulation resistance at 70℃ (MΩ/km)
				Lower limit	Upper limit	Copper core	Tinned copper core	
2×0.08	0.13	0.4	0.6	3.1 2.3×3.4	4.1 2.7×4.1	247	254	0.018
2×0.12	0.16	0.4	0.6	3.3 2.4×3.6	4.3 2.8×4.3	158	163	0.016
2×0.2	0.16	0.4	0.6	3.6 2.5×3.9	4.7 3.0×4.7	92.3	95.0	0.014
2×0.3	0.16	0.5	0.6	4.1 2.8×4.4	5.3 3.4×5.3	69.2	71.2	0.014
2×0.4	0.16	0.5	0.6	4.4 2.9×4.7	5.7 3.5×5.7	48.2	49.6	0.013
3×0.12	0.16	0.4	0.6	3.4	4.5	158	163	0.016
3×0.2	0.16	0.4	0.6	3.8	4.9	92.3	95.0	0.014
3×0.3	0.16	0.5	0.6	4.4	5.7	69.2	71.2	0.014
3×0.4	0.16	0.5	0.6	4.7	6.0	48.2	49.6	0.013
4×0.12	0.16	0.4	0.6	3.8	4.9	158	163	0.016
4×0.2	0.16	0.4	0.6	4.2	5.4	92.3	95.0	0.014
4×0.3	0.16	0.5	0.6	4.8	6.2	69.2	71.2	0.014
4×0.4	0.16	0.5	0.6	5.1	6.6	48.2	49.6	0.013
5×0.12	0.16	0.4	0.6	4.1	5.3	158	163	0.016
5×0.2	0.16	0.4	0.6	4.5	5.8	92.3	95.0	0.014
5×0.3	0.16	0.5	0.6	5.3	6.7	69.2	71.2	0.014
5×0.4	0.16	0.5	0.6	5.6	7.2	48.2	49.6	0.013
6~7×0.12	0.16	0.4	0.6	4.4	5.7	158	163	0.016
6~7×0.2	0.16	0.4	0.6	4.9	6.3	92.3	95.0	0.014
6~7×0.3	0.16	0.5	0.6	5.7	7.3	69.2	71.2	0.014
6~7×0.4	0.16	0.5	0.6	6.2	7.8	48.2	49.6	0.013
10×0.12	0.16	0.4	0.6	5.7	7.2	158	163	0.016
10×0.2	0.16	0.4	0.6	6.3	8.0	92.3	95.0	0.014
10×0.3	0.16	0.5	0.8	7.8	9.7	69.2	71.2	0.014
10×0.4	0.16	0.5	0.8	8.3	10.4	48.2	49.6	0.013
12×0.12	0.16	0.4	0.6	5.8	7.4	158	163	0.016
12×0.2	0.16	0.4	0.6	6.5	8.2	92.3	95.0	0.014
12×0.3	0.16	0.5	0.8	8.0	10.1	69.2	71.2	0.014
12×0.4	0.16	0.5	0.8	8.6	10.8	48.2	49.6	0.013
14×0.12	0.16	0.4	0.6	6.1	7.8	158	163	0.016
14×0.2	0.16	0.4	0.8	7.2	9.1	92.3	95.0	0.014
14×0.3	0.16	0.5	0.8	8.4	10.6	69.2	71.2	0.014
14×0.4	0.16	0.5	0.8	9.1	11.3	48.2	49.6	0.013
16×0.12	0.16	0.4	0.6	6.5	8.2	158	163	0.016
16×0.2	0.16	0.4	0.8	7.6	9.6	92.3	95.0	0.014
16×0.3	0.16	0.5	0.8	8.9	11.1	69.2	71.2	0.014
16×0.4	0.16	0.5	0.8	9.6	11.9	48.2	49.6	0.013
19×0.12	0.16	0.4	0.8	7.2	9.1	158	163	0.016
19×0.2	0.16	0.4	0.8	8.1	10.1	92.3	95.0	0.014
19×0.3	0.16	0.5	0.8	9.4	11.7	69.2	71.2	0.014
19×0.4	0.16	0.5	0.8	10.1	12.6	48.2	49.6	0.013
24×0.12	0.16	0.4	0.8	8.4	10.6	158	163	0.016
24×0.2	0.16	0.4	0.8	9.4	11.7	92.3	95.0	0.014
24×0.3	0.16	0.5	1.0	11.4	14.2	69.2	71.2	0.014
24×0.4	0.16	0.5	1.0	12.3	15.2	48.2	49.6	0.013

R series PVC insulated wire and cable

Introduction

This product is suitable for the connection of the power source power of removable appliances and instruments with rated AC voltage U_0/U 300/500V and below. the temperature of the cables is between -15 to 70℃ for a long-term using. The laying temperature of the cables is not less than 0℃, and temperature can be customized for special use.

Product structure of RVV, 60227 IEC 52(RVV) and 60227 IEC 53(RVV)



RVV TYPE 300/300V COPPER CORED PVC INSULATED AND SHEATHED FLEXIBLE CABLE

Product implementing standard: Q/321001LLD 03-2014

Core number × nominal cross section (mm^2)	Nominal value of insulation thickness (mm)	Nominal value of jacket thickness (mm)	Average overall dimension (mm)		Min. insulation resistance at 70℃ (MΩ/km)
			Lower limit	Upper limit	
4×0.5	0.5	0.6	5.0	7.4	0.012
5×0.5	0.5	0.8	5.6	8.0	0.012
6×0.5	0.5	0.8	6.6	9.0	0.010
7×0.5	0.5	0.8	6.6	9.0	0.010
8×0.5	0.5	0.8	7.3	9.6	0.010
9×0.5	0.5	0.8	8.1	10.4	0.010
10×0.5	0.5	0.8	8.7	11.0	0.010
11×0.5	0.5	0.8	9.0	11.4	0.010
12×0.5	0.5	0.8	9.0	11.4	0.010
13×0.5	0.5	0.8	9.1	11.9	0.010
14×0.5	0.5	0.8	9.0	11.8	0.010
15×0.5	0.5	0.8	9.6	12.4	0.010
16×0.5	0.5	1.0	9.6	12.4	0.010
18×0.5	0.5	1.0	10.6	13.8	0.010
19×0.5	0.5	1.0	10.6	13.4	0.010
20×0.5	0.5	1.0	10.9	13.7	0.010
22×0.5	0.5	1.0	11.9	14.7	0.010
24×0.5	0.5	1.0	12.5	15.3	0.010

RVV TYPE 300/500V COPPER CORED PVC INSULATED AND SHEATHED FLEXIBLE CABLE

Product implementing standard: Q/321001LLD 03-2014

Core number × nominal cross section (mm^2)	Nominal value of insulation thickness (mm)	Nominal value of jacket thickness (mm)	Average overall dimension (mm)		Min. insulation resistance at 70℃ (MΩ/km)
			Lower limit	Upper limit	
2×2.0	0.7	0.8	7.2	10.0	0.009
3×2.0	0.7	0.8	7.7	10.5	0.009
4×2.0	0.7	0.8	8.6	11.4	0.009

Core number × nominal cross section (mm^2)	Nominal value of insulation thickness (mm)	Nominal value of jacket thickness (mm)	Average overall dimension (mm)		Min. insulation resistance at 70℃ (MΩ/km)
			Lower limit	Upper limit	
5×2.0	0.7	1.1	10.2	13.0	0.009
6×2.0	0.7	1.2	11.4	14.2	0.009
7×2.0	0.7	1.2	11.4	14.2	0.009
7×2.5	0.8	1.2	12.3	15.1	0.009
8×2.0	0.7	1.2	12.5	15.3	0.009
8x2.5	0.8	1.2	13.4	16.2	0.009
9x0.75	0.6	1.0	9.4	11.7	0.012
9x1.0	0.6	1.2	10.6	13.4	0.010
9×1.5	0.7	1.2	12.1	14.9	0.009
9×2.0	0.7	1.2	13.8	16.6	0.009
9×2.5	0.8	1.2	14.8	17.6	0.009
10×1.5	0.7	1.2	13.0	15.8	0.009
10×2.0	0.7	1.2	14.9	17.7	0.009
10×2.5	0.8	1.2	16.0	18.8	0.009
11×0.75	0.6	1.0	10.4	12.8	0.012
11×1.0	0.6	1.2	11.7	14.5	0.010
11×1.5	0.7	1.2	13.4	16.2	0.009
11×2.0	0.7	1.2	15.4	18.2	0.009
11×2.5	0.8	1.2	16.5	19.3	0.009
12×1.5	0.7	1.2	13.4	16.2	0.009
12×2.0	0.7	1.2	15.4	18.2	0.009
12×2.5	0.8	1.2	16.5	19.3	0.009
13×0.75	0.6	1.0	11.1	13.9	0.012
13×1.0	0.6	1.2	12.4	15.2	0.010
13×1.5	0.7	1.2	14.2	17.0	0.009
13×2.0	0.7	1.2	16.3	19.1	0.009
13×2.5	0.8	1.2	17.5	20.3	0.009
14×0.75	0.6	1.0	10.5	13.3	0.012
14×1.0	0.6	1.2	12.4	15.2	0.010
14×1.5	0.7	1.2	14.2	17.0	0.009
14×2.0	0.7	1.2	16.3	19.1	0.009
14×2.5	0.8	1.2	17.5	20.3	0.009
15×1.5	0.7	1.2	15.0	17.8	0.009
15×2.0	0.7	1.2	17.3	20.1	0.009
15×2.5	0.8	1.2	18.5	21.3	0.009
16×1.5	0.7	1.2	14.5	17.3	0.009
16×2.0	0.7	1.2	17.3	20.1	0.009
16×2.5	0.8	1.2	18.5	21.3	0.009
18×0.75	0.6	1.0	12.5	15.3	0.012
18×1.0	0.6	1.2	13.9	16.7	0.010
18×1.5	0.7	1.2	15.9	18.7	0.009
18×2.0	0.7	1.2	18.3	21.1	0.009
18×2.5	0.8	1.2	19.7	22.5	0.009
19×1.5	0.7	1.2	15.9	18.7	0.009
19×2.0	0.7	1.2	18.3	21.1	0.009
19×2.5	0.8	1.2	19.7	22.5	0.009
20×0.75	0.6	1.0	12.9	15.7	0.012
20×1.5	0.7	1.2	16.4	19.2	0.009
20×2.0	0.7	1.2	18.8	21.6	0.009
20×2.5	0.8	1.2	20.2	23.0	0.009
22×0.75	0.6	1.2	14.6	17.4	0.012
22×1.0	0.6	1.2	15.6	18.4	0.010
22×1.5	0.7	1.2	18.0	20.8	0.009
22×2.0	0.7	1.2	20.7	23.5	0.009
22×2.5	0.8	1.2	22.2	25.0	0.009
24×1.5	0.7	1.2	18.9	21.7	0.009
24×2.0	0.7	1.2	21.7	24.5	0.009
24×2.5	0.8	1.2	23.4	26.2	0.009

POWER CONTROL CABLES

RVV TYPE 300/500V COPPER CORED PVC INSULATED AND SHEATHED FLEXIBLE CABLE

Product implementing standard: GB/T 5023.5-2008

Core number × nominal cross section (mm^2)	Nominal value of insulation thickness (mm)	Nominal value of jacket thickness (mm)	Average overall dimension (mm)		Min. insulation resistance at 70℃ (MΩ/km)
			Lower limit	Upper limit	
2×1	0.6	0.8	3.9×5.5	5.2×7.3	0.010
2×1.5	0.7	0.8	4.3×6.0	5.8×8.0	0.010
2×2.5	0.8	1.0	5.3×7.6	7.1×10.0	0.009
2×4	0.8	1.0	5.9×8.6	7.9×11.6	0.0085
2×4	0.8	1.1	10.0	12.4	0.007
2×6	0.8	1.1	6.5×10.0	8.8×13.4	0.0080
3×4	0.8	1.2	10.8	13.5	0.007
4×4	0.8	1.2	11.8	14.6	0.007
5×4	0.8	1.4	13.3	16.5	0.007
6×0.75	0.4	0.8	6.5	9.6	0.011
6×1.0	0.6	1.0	8.7	11.0	0.010
6×1.5	0.7	1.1	9.9	13.3	0.010
6×2.5	0.8	1.2	12.4	15.8	0.009
7×0.75	0.4	0.8	6.5	9.6	0.011
7×1.0	0.6	1.1	8.7	11.0	0.010
7×1.5	0.7	1.1	9.9	13.3	0.010
8×0.75	0.4	1.0	7.5	10.6	0.011
8×1.0	0.6	1.2	9.5	13.2	0.010
8×1.5	0.7	1.2	10.8	14.2	0.010
10×0.75	0.4	1.0	9.0	13.2	0.011
10×1.0	0.6	1.2	11.7	14.5	0.010
12×0.75	0.4	1.2	9.5	13.2	0.011
12×1.0	0.6	1.2	11.9	14.8	0.010
15×0.75	0.4	1.2	10.7	14.0	0.011
15×1.0	0.6	1.2	11.6	15.5	0.010
16×0.75	0.4	1.2	10.7	14.0	0.011
16×1.0	0.6	1.2	11.6	15.5	0.010
19×0.75	0.4	1.2	11.3	15.0	0.011
19×1.0	0.6	1.2	14.1	17.8	0.010
20×0.75	0.4	1.2	11.6	15.5	0.011
20×1.0	0.6	1.2	14.6	18.3	0.010
24×0.75	0.4	1.2	13.5	17.0	0.011
24×1.0	0.6	1.2	16.8	20.5	0.010

60227 IEC 52(RVV) TYPE 300/300V LIGHT PVC SHEATHED FLEXIBLE WIRE

Product implementing standard: GB/T 5023.5-2008

Core number × nominal cross section (mm^2)	Nominal value of insulation thickness (mm)	Nominal value of jacket thickness (mm)	Average overall dimension (mm)		Min. insulation resistance at 70℃ (MΩ/km)
			Lower limit	Upper limit	
2×0.5	0.5	0.6	4.8 3.0×4.8	6.0 3.6×6.0	0.012
2×0.75	0.5	0.6	5.2 3.2×5.2	6.4 3.9×6.4	0.010
3×0.5	0.5	0.6	5	6.2	0.012
3×0.75	0.5	0.6	5.4	6.8	0.010

60227 IEC 53 (RVV) TYPE 300/500V ORDINARY PVC SHEATHED FLEXIBLE WIRE

Product implementing standard: GB/T 5023.5-2008

Core number × nominal cross section (mm^2)	Nominal value of insulation thickness (mm)	Nominal value of jacket thickness (mm)	Average overall dimension (mm)		Min. insulation resistance at 70℃ (MΩ/km)
			Lower limit	Upper limit	
2×0.75	0.6	0.8	6.0 3.8×6.0	7.6 5.2×7.6	0.011
2×1.0	0.6	0.8	6.4	8.0	0.010
2×1.5	0.7	0.8	7.4	9.0	0.010
2×2.5	0.8	1.0	8.9	11.0	0.009
3×0.75	0.6	0.8	6.4	8.0	0.011
3×1.0	0.6	0.8	6.8	8.4	0.010
3×1.5	0.7	0.9	8.0	9.8	0.010
3×2.5	0.8	1.1	9.6	12.0	0.009
4×0.75	0.6	0.8	6.8	8.6	0.011
4×1.0	0.6	0.9	7.6	9.4	0.010
4×1.5	0.7	1.0	9.0	11.0	0.010
4×2.5	0.8	1.1	10.5	13.0	0.009
5×0.75	0.6	0.9	7.4	9.6	0.011
5×1.0	0.6	0.9	8.3	10.0	0.010
5×1.5	0.7	1.1	10.0	12.0	0.010
5×2.5	0.8	1.2	11.5	14.0	0.009

天诚 TIAN CHENG® TC SMART SYSTEMS GROUP POWER CONTROL CABLES 09

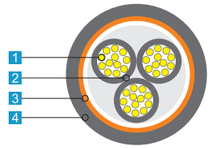
RVVP TYPE 300/300V COPPER CORED PVC INSULATED SHIELDED AND PVC SHEATHED FLEXIBLE CABLE

Introduction

This product is suitable for electric appliances, instruments, electronic equipments and automatic devices with rated AC voltage U_0 / U 300/300V or below, and used for the wiring connection with shielding requirements. Long-term use temperature of the cable is from-15 ° C to 70 ° C, the cable laying temperature is not less than 0 ° C, and temperature can be customized for special use.

Product structure of RVVP

1. Bunch- stranded conductor
2. PVC insulation
3. Braided shield
4. PVC sheath



Product implementing standard: **JB/T 8734.5-2012**

Core number ×nominal cross section (mm^2)	Insulation thickness (mm)	Density of shielding layer (%)	Sheath thickness (mm)	Average outside diameter or overall dimensions (mm)		Max. conductor resistance at 20℃ (Ω/km)		Min. insulation resistance at 70℃ (MΩ/km)
				Lower limit	Upper limit	Copper core	Tinned copper core	
1×0.08	0.4	60~80	0.4	2.4	2.9	247	254	0.018
1×0.12	0.4	60~80	0.4	2.4	3.0	158	163	0.016
1×0.2	0.4	60~80	0.4	2.6	3.2	92.3	95.0	0.013
1×0.3	0.5	60~80	0.4	2.9	3.5	69.2	71.2	0.014
1×0.4	0.5	60~80	0.4	3.0	3.7	48.2	49.6	0.013
1×0.5	0.5	60~80	0.4	3.1	3.8	39.0	40.1	0.012
1×0.75	0.6	60~80	0.4	3.4	4.1	26.0	26.7	0.010
1×1.0	0.6	60~80	0.6	4.1	4.9	19.5	20.0	0.010
1×1.5	0.6	60~80	0.6	4.3	5.2	13.3	13.7	0.009
1×2.5	0.7	60~80	0.6	4.9	6.0	7.98	8.21	0.008
2×0.08	0.4	60~80	0.4	3.2 2.4×3.5	4.2 2.9×4.2	247	254	0.018
2×0.12	0.4	60~80	0.6	3.7 2.8×4.0	4.9 3.4×4.9	158	163	0.016
2×0.2	0.4	60~80	0.6	4.1 3.0×4.4	5.3 3.6×5.3	92.3	95.0	0.013
2×0.3	0.5	60~80	0.6	4.8 3.5×5.1	6.2 4.2×6.2	69.2	71.2	0.014
2×0.4	0.5	60~80	0.6	5.1 3.6×5.4	6.6 4.4×6.6	48.2	49.6	0.013
2×0.5	0.5	60~80	0.6	5.3 3.7×5.6	6.8 4.5×6.8	39.0	40.1	0.012
2×0.75	0.6	60~80	0.6	5.8 4.0×6.1	7.4 4.8×7.4	26.0	26.7	0.010
2×1.0	0.6	60~80	0.6	6.4 4.3×6.7	8.2 5.2×8.3	19.5	20.0	0.010
2×1.5	0.6	60~80	0.8	7.3 4.9×7.6	9.2 6.0×9.3	13.3	13.7	0.009
3×0.12	0.4	60~80	0.6	3.9	5.1	158	163	0.016
3×0.2	0.4	60~80	0.6	4.5	5.8	92.3	95.0	0.013
3×0.3	0.5	60~80	0.6	5.1	6.5	69.2	71.2	0.014
3×0.4	0.5	60~80	0.6	5.4	6.9	48.2	49.6	0.013
3×0.5	0.5	60~80	0.6	5.6	7.1	39.0	40.1	0.012
3×0.75	0.6	60~80	0.6	6.1	7.8	26.0	26.7	0.010
3×1.0	0.6	60~80	0.8	7.2	9.1	19.5	20.0	0.010
3×1.5	0.6	60~80	0.8	8.0	10.0	13.3	13.7	0.009
4×0.12	0.4	60~80	0.6	4.5	5.8	158	163	0.016
4×0.2	0.4	60~80	0.6	4.9	6.2	92.3	95.0	0.013
4×0.3	0.5	60~80	0.6	5.5	7.0	69.2	71.2	0.014
4×0.4	0.5	60~80	0.6	5.9	7.5	48.2	49.6	0.013
5×0.12	0.4	60~80	0.6	4.8	6.2	158	163	0.016
5×0.2	0.4	60~80	0.6	5.3	6.7	92.3	95.0	0.013
5×0.3	0.5	60~80	0.6	6.0	7.6	69.2	71.2	0.014
5×0.4	0.5	60~80	0.6	6.4	8.1	48.2	49.6	0.013
6~7×0.12	0.4	60~80	0.6	5.2	6.6	158	163	0.016
6~7×0.2	0.4	60~80	0.6	5.7	7.2	92.3	95.0	0.013
6~7×0.3	0.5	60~80	0.6	6.5	8.2	69.2	71.2	0.014
6~7×0.4	0.5	60~80	0.8	7.3	9.2	48.2	49.6	0.013
8×0.12	0.4	60~80	0.6	6.0	7.2	158	163	0.016
8×0.2	0.4	60~80	0.6	6.6	7.9	92.3	95.0	0.013
8×0.3	0.5	60~80	0.6	7.4	8.7	69.2	71.2	0.014
8×0.4	0.5	60~80	0.8	8.0	9.3	48.2	49.6	0.013
9~10×0.12	0.4	60~80	0.6	6.4	8.1	158	163	0.016
9~10×0.2	0.4	60~80	0.8	7.4	9.3	92.3	95.0	0.013
9~10×0.3	0.5	60~80	0.8	8.7	10.9	69.2	71.2	0.014
9~10×0.4	0.5	60~80	0.8	9.3	11.6	48.2	49.6	0.013
11~12×0.12	0.4	60~80	0.6	6.6	8.3	158	163	0.016
11~12×0.2	0.4	60~80	0.8	7.6	9.6	92.3	95.0	0.013
11~12×0.3	0.5	60~80	0.8	9.0	11.2	69.2	71.2	0.014
11~12×0.4	0.5	60~80	0.8	9.6	11.9	48.2	49.6	0.013
13~14×0.12	0.4	60~80	0.8	7.2	9.1	158	163	0.016
13~14×0.2	0.4	60~80	0.8	8.2	10.3	92.3	95.0	0.013
13~14×0.3	0.5	60~80	0.8	9.4	11.7	69.2	71.2	0.014
13~14×0.4	0.5	60~80	0.8	10.0	12.5	48.2	49.6	0.013
16×0.12	0.4	60~80	0.8	7.6	9.5	158	163	0.016
16×0.2	0.4	60~80	0.8	8.6	10.8	92.3	95.0	0.013
16×0.3	0.5	60~80	0.8	9.9	12.3	69.2	71.2	0.014
16×0.4	0.5	60~80	0.8	10.5	13.1	48.2	49.6	0.013
19×0.12	0.4	60~80	0.8	8.2	10.3	158	163	0.016
19×0.2	0.4	60~80	0.8	9.0	11.3	92.3	95.0	0.013
19×0.3	0.5	60~80	0.8	10.4	12.9	69.2	71.2	0.014
19×0.4	0.5	60~80	1.0	11.5	14.2	48.2	49.6	0.013
24×0.12	0.4	60~80	0.8	9.4	11.7	158	163	0.016
24×0.2	0.4	60~80	0.8	10.4	12.9	92.3	95.0	0.013
24×0.3	0.5	60~80	1.0	12.4	14.4	69.2	71.2	0.014
24×0.4	0.5	60~80	1.0	13.2	16.4	48.2	49.6	0.013

Product implementing standard: **Q/321001LLD 03-2014**

Core number ×nominal cross section (mm^2)	Insulation thickness (mm)	Density of shielding layer (%)	Sheath thickness (mm)	Average outside diameter or overall dimensions (mm)		Max. conductor resistance at 20℃ (Ω/km)		Min. insulation resistance at 70℃ (MΩ/km)
				Lower limit	Upper limit	Copper core	Tinned copper core	
2×2.0	0.7	60~80	0.8	8.0	9.0	10.3	10.6	0.009
2×2.5	0.8	60~80	0.8	8.9	10.9	7.98	8.21	0.009
3×2.0	0.7	60~80	0.8	8.3	9.4	10.3	10.6	0.009
3×2.5	0.8	60~80	0.8	9.5	11.5	7.98	8.21	0.009
4×0.5	0.5	60~80	0.6	6.3	8.3	39.0	40.1	0.012
4×0.75	0.6	60~80	0.8	6.8	8.8	26.0	26.7	0.010
4×1.0	0.6	60~80	0.8	7.7	9.7	19.5	20.0	0.010
4×1.5	0.7	60~80	0.8	8.8	10.8	13.3	13.7	0.009
4×2.0	0.7	60~80	0.8	9.1	11.3	10.3	10.6	0.009
4×2.5	0.8	60~80	0.8	10.2	12.2	7.98	8.21	0.009
5×0.5	0.5	60~80	0.8	6.8	8.8	39.0	40.1	0.012
5×0.75	0.6	60~80	0.8	7.3	9.3	26.0	26.7	0.010
5×1.0	0.6	60~80	0.8	8.4	10.4	19.5	20.0	0.010
5×1.5	0.7	60~80	0.8	9.6	11.6	13.3	13.7	0.009
5×2.0	0.7	60~80	0.8	10.0	12.9	10.3	10.6	0.009
5×2.5	0.8	60~80	1.0	11.9	13.9	7.98	8.21	0.009

POWER CONTROL CABLES

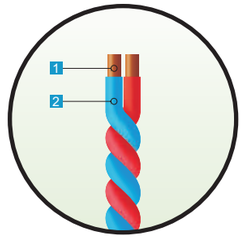
Product implementing standard:
Q/321001LLD 03-2014

Core number ×nominal cross section (mm^2)	Insulation thickness (mm)	Density of shielding layer (%)	Sheath thickness (mm)	Average outside diameter or overall dimensions (mm)		Max. conductor resistance at 20℃ (Ω/km)		Min. insulation resistance at 70℃ (MΩ/km)
				Lower limit	Upper limit	Copper core	Tinned copper core	
6×0.5	0.5	60~80	0.8	7.4	9.4	39.0	40.1	0.012
6×0.75	0.6	60~80	0.8	8.1	10.1	26.0	26.7	0.010
6×1.0	0.6	60~80	0.8	9.1	11.1	19.5	20.0	0.010
6×1.5	0.7	60~80	0.8	10.5	12.5	13.3	13.7	0.009
6×2.0	0.7	60~80	1.0	11.4	12.4	10.3	10.6	0.009
6×2.5	0.8	60~80	1.0	13.4	15.4	7.98	8.21	0.009
7×0.5	0.5	60~80	0.8	7.4	9.4	39.0	40.1	0.012
7×0.75	0.6	60~80	0.8	8.1	10.1	26.0	26.7	0.010
7×1.0	0.6	60~80	0.8	9.1	11.1	19.5	20.0	0.010
7×1.5	0.7	60~80	0.8	10.5	12.5	13.3	13.7	0.009
7×2.0	0.7	60~80	1.0	11.4	12.4	10.3	10.6	0.009
7×2.5	0.8	60~80	1.0	13.4	15.4	7.98	8.21	0.009
8×0.5	0.5	60~80	0.8	7.7	8.8	39.0	40.1	0.012
8×0.75	0.6	60~80	0.8	8.5	9.5	26.0	26.7	0.010
8×1.0	0.6	60~80	1.0	10.0	11.1	19.5	20.0	0.010
8×1.5	0.7	60~80	1.0	11.5	12.6	13.3	13.7	0.009
8×2.0	0.7	60~80	1.2	12.7	13.8	10.3	10.6	0.009
8×2.5	0.8	60~80	1.2	14.2	15.3	7.98	8.21	0.009
9×0.5	0.5	60~80	0.8	8.4	9.5	39.0	40.1	0.012
9×0.75	0.6	60~80	1.0	9.8	10.9	26.0	26.7	0.010
9×1.0	0.6	60~80	1.2	11.4	12.5	19.5	20.0	0.010
9×1.5	0.7	60~80	1.2	13.1	14.2	13.3	13.7	0.009
9×2.0	0.7	60~80	1.2	14.0	15.1	10.3	10.6	0.009
9×2.5	0.8	60~80	1.2	15.6	16.7	7.98	8.21	0.009
10×0.5	0.5	60~80	0.8	9.4	11.4	39.0	40.1	0.012
10×0.75	0.6	60~80	0.8	10.3	12.3	26.0	26.7	0.010
10×1.0	0.6	60~80	1.0	12.1	14.1	19.5	20.0	0.010
10×1.5	0.7	60~80	1.0	13.9	15.9	13.3	13.7	0.009
10×2.0	0.7	60~80	1.2	14.9	16.0	10.3	10.6	0.009
10×2.5	0.8	60~80	1.2	16.6	17.7	7.98	8.21	0.009
11×0.5	0.5	60~80	0.8	9.3	10.4	39.0	40.1	0.012
11×0.75	0.6	60~80	1.0	10.7	11.8	26.0	26.7	0.010
11×1.0	0.6	60~80	1.0	12.1	13.2	19.5	20.0	0.010
11×1.5	0.7	60~80	1.0	14.0	15.1	13.3	13.7	0.009
11×2.0	0.7	60~80	1.2	15.4	16.5	10.3	10.6	0.009
11×2.5	0.8	60~80	1.2	17.3	18.4	7.98	8.21	0.009
12×0.5	0.5	60~80	0.8	9.7	11.7	39.0	40.1	0.012
12×0.75	0.6	60~80	1.0	11.1	13.1	26.0	26.7	0.010
12×1.0	0.6	60~80	1.0	12.5	14.5	19.5	20.0	0.010
12×1.5	0.7	60~80	1.0	14.4	16.4	13.3	13.7	0.009
12×2.0	0.7	60~80	1.2	15.4	16.5	10.3	10.6	0.009
12×2.5	0.8	60~80	1.2	17.3	18.4	7.98	8.21	0.009

RVS TYPE 300/300V COPPER CORE PVC INSULATED TWISTED FLEXIBLE CORD FOR CONNECTION

Product structure of RVS

1 Bunch- stranded conductor
2 PVC insulation



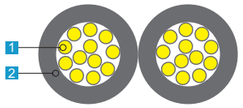
Product implementing standard:
JB/T 8734.3-2012

Nominal cross -section (mm^2)	The maximum diameter of single conductor (mm)	insulation thickness (mm)	Upper limit of average diameter (mm)	Max. conductor resistance at 20℃ (Ω/km)		Min. insulation resistance at 70℃ (MΩ/km)
				Copper core	Tinned copper core	
2×0.5	0.16	0.8	6.0	39.0	40.1	0.016
2×0.75	0.16	0.8	6.2	26.0	26.7	0.014
2×1.0	0.20	0.8	6.6	19.5	20.0	0.010
2×1.5	0.25	0.8	7.2	13.3	13.7	0.009
2×2.5	0.25	0.8	8.4	7.98	8.21	0.009

RVB TYPE 300/300V FLAT NON-SHEATHED CABLE

Product structure of RVB

1 Bunch- stranded conductor
2 PVC insulation



Product implementing standard:
depending on the customers' requirements

Nominal cross -section (mm^2)	Insulation hickness (mm)	Average overall dimensions		Max. conductor resistance at 20℃ (Ω/km)		Min. insulation resistance at 70℃ (MΩ/km)
		Lower limit (mm)	Upper limit (mm)	Copper core	Tinned copper core	
0.5	0.8	2.5×5.0	3.0×6.0	39.0	40.1	0.016
0.75	0.8	2.7×5.4	3.2×6.4	26.0	26.7	0.014
1.0	0.8	2.8×5.6	3.4×6.6	19.5	20.0	0.012
1.5	0.8	3.0×6.0	3.6×7.2	13.3	13.7	0.011
2.5	0.8	3.4×6.8	4.1×8.2	7.98	8.21	0.010

60227 IEC 06 (RV) TYPE 300/500V, 70 ° C SINGLE-CORE NON-SHEATHED SOFT CONDUCTOR CABLE

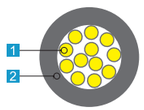
Product implementing standard:
GB/T 5023.3-2008

Nominal cross -section (mm^2)	Insulation hickness (mm)	Upper limit of the average outside diameter (mm)	Max. conductor resistance at 20℃ (Ω/km)		Min. insulation resistance at 70℃ (MΩ/km)
			Copper core	Tinned copper core	
0.5	0.6	2.6	39.0	40.1	0.013
0.75	0.6	2.8	26.0	26.7	0.011
1.0	0.6	3.0	19.5	20.0	0.010

60227 IEC 02 (RV) TYPE 450/750V, SINGLE-CORE NON-SHEATHED SOFT CONDUCTOR CABLE FOR GENERAL-PURPOSE

Product structure of 60227IEC 02 (RV)

1 Bunch- stranded conductor
2 PVC insulation



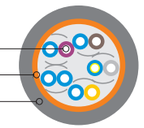
Product implementing standard:
GB/T 5023.3-2008

Nominal cross -section (mm^2)	Insulation hickness (mm)	Upper limit of the average outside diameter (mm)	Max. conductor resistance at 20℃ (Ω/km)		Min. insulation resistance at 70℃ (MΩ/km)
			Copper core	Tinned copper core	
1.5	0.7	3.5	13.3	13.7	0.010
2.5	0.8	4.2	7.98	8.21	0.009
4	0.8	4.8	4.95	5.09	0.007
6	0.8	6.3	3.30	3.39	0.006
10	1.0	7.6	1.91	1.95	0.0056
16	1.0	8.8	1.21	1.24	0.0046
25	1.2	11.0	0.780	0.759	0.0044
35	1.2	12.5	0.554	0.565	0.0038
50	1.4	14.5	0.368	0.393	0.0037
70	1.4	17.0	0.272	0.277	0.0032
95	1.6	19.0	0.206	0.210	0.0032
120	1.6	21.0	0.161	0.164	0.0029
150	1.8	23.5	0.129	0.132	0.0029
185	2.0	26.0	0.106	0.108	0.0029

RVVS TYPE 300/300V TWISTED FLEXIBLE CABLE

Product structure of RVVS

1 Twisted pair group
2 Wrapping belt
2 PVC sheath



Product implementing standard:
Q/321001LLD 05-2014

Specifications (mm^2)	Insulated approximate outside diameter /OD (mm)	Sheath thickness (mm)	Max. conductor resistance at 20℃ (Ω/km)	Approximate OD of finished product (mm)
1×2×0.12	1.23	0.6	163	3.80
1×2×0.2	1.38	0.6	95.0	4.10
1×2×0.3	1.66	0.6	71.2	4.66
1×2×0.4	1.84	0.6	49.6	5.02
1×2×0.5	1.88	0.6	39.0	5.10
1×2×0.6	1.94	0.6	33.0	5.22
1×2×0.75	2.13	0.6	26.0	5.60
1×2×1.0	2.46	0.8	19.5	6.66
1×2×1.5	2.93	0.8	13.3	7.60
1×2×2	3.17	0.8	10.3	8.08
1×2×2.5	3.60	1.0	7.98	9.34
1×2×4	4.48	1.0	4.95	11.10
1×2×6	5.25	1.0	3.30	12.64
1×3×0.12	1.23	0.6	163	3.98
1×3×0.2	1.38	0.6	95.0	4.31
1×3×0.3	1.66	0.6	71.2	4.91
1×3×0.4	1.84	0.6	49.6	5.30
1×3×0.5	1.88	0.6	39.0	5.38
1×3×0.6	1.94	0.6	33.0	5.51
1×3×0.75	2.13	0.8	26.0	6.32
1×3×1.0	2.46	0.8	19.5	7.03
1×3×1.5	2.93	0.9	13.3	8.25
1×3×2	3.17	0.8	10.3	8.56
1×3×2.5	3.60	1.1	7.98	10.09
2×2×0.12	1.23	0.6	163	5.36
2×2×0.2	1.38	0.6	95.0	5.86
2×2×0.3	1.66	0.6	71.2	6.78
2×2×0.4	1.84	0.6	49.6	7.37
2×2×0.5	1.88	0.6	39.0	7.51
2×2×0.6	1.94	0.8	33.0	8.10
2×2×0.75	2.13	0.8	26.0	8.73
2×2×1	2.46	0.9	19.5	10.02
2×2×1.5	2.93	1.0	13.3	11.77
2×2×2	3.17	1.0	10.3	12.56
2×2×2.5	3.60	1.1	7.98	14.18
3×2×0.12	1.23	0.6	163	5.66
3×2×0.2	1.38	0.6	95.0	6.20
3×2×0.3	1.66	0.6	71.2	7.19
3×2×0.4	1.84	0.6	49.6	7.83
3×2×0.5	1.88	0.8	39.0	8.38
3×2×0.6	1.94	0.8	33.0	8.59

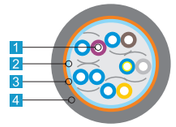
Specifications (mm^2)	nsulated approximate outside diameter /OD (mm)	Sheath thickness (mm)	Max. conductor resistance at 20℃ (Ω/km)	Approximate OD of finished product (mm)
3×2×0.75	2.13	0.8	26.0	9.26
3×2×1	2.46	1.2	19.5	11.24
3×2×1.5	2.93	1.2	13.3	12.91
3×2×2	3.17	1.2	10.3	13.76
3×2×2.5	3.60	1.2	7.98	15.29
4×2×0.12	1.23	0.6	163	6.18
4×2×0.2	1.38	0.6	95.0	6.78
4×2×0.3	1.66	0.6	71.2	7.89
4×2×0.4	1.84	0.8	49.6	9.01
4×2×0.5	1.88	0.8	39.0	9.17
4×2×0.6	1.94	0.8	33.0	9.41
4×2×0.75	2.13	0.8	26.0	10.16
4×2×1.0	2.46	1.2	19.5	12.28
4×2×1.5	2.93	1.2	13.3	14.15
4×2×2.0	3.17	1.2	10.3	15.11
4×2×2.5	3.60	1.2	7.98	16.82
5×2×0.12	1.23	0.6	163	6.75
5×2×0.2	1.38	0.6	95.0	7.41
5×2×0.3	1.66	0.8	71.2	9.06
5×2×0.4	1.84	0.8	49.6	9.86
5×2×0.5	1.88	0.8	39.0	10.04
5×2×0.6	1.94	0.8	33.0	10.31
5×2×0.75	2.13	1.0	26.0	11.56
5×2×1	2.46	1.2	19.5	13.43
5×2×1.5	2.93	1.2	13.3	15.52
5×2×2	3.17	1.2	10.3	16.59
5×2×2.5	3.60	1.4	7.98	18.90
6×2×0.12	1.23	0.6	163	7.34
6×2×0.2	1.38	0.6	95.0	8.08
6×2×0.3	1.66	0.8	71.2	9.87
6×2×0.4	1.84	0.8	49.6	10.76
6×2×0.5	1.88	0.8	39.0	10.96
6×2×0.6	1.94	0.8	33.0	11.25
6×2×0.75	2.13	1.0	26.0	12.60
6×2×1.0	2.46	1.2	19.5	14.63
6×2×1.5	2.93	1.2	13.3	16.96
6×2×2.0	3.17	1.4	10.3	18.54
6×2×2.5	3.60	1.6	7.98	21.07

天诚TIAN CHENG® TC SMART SYSTEMS GROUP

RVVSP TYPE 300/300V TWISTED SHIELDED FLEXIBLE CABLE

Product structure of RVVSP

1. Twisted pair group
2. Wrapping belt
3. Copper braid shield
4. PVC sheath



Product implementing standard:
Q/321001LLD 05-2014

Specifications (mm^2)	Insulated approximate outside diameter /OD (mm)	Braiding density (%)	Max. conductor resistance at 20℃ (Ω/km)	Approximate OD of cable (mm)
1×2×0.12	1.20	60-80	163	4.20
1×2×0.2	1.35	60-80	95.0	4.50
1×2×0.3	1.63	60-80	71.2	5.06
1×2×0.4	1.81	60-80	49.6	5.42
1×2×0.5	1.85	60-80	39.0	5.50
1×2×0.6	1.91	60-80	33.0	5.62
1×2×0.75	2.10	60-80	26.0	6.00
1×2×1.0	2.43	60-80	19.5	6.66
1×2×1.5	2.90	60-80	13.3	8.00
1×2×2	3.14	60-80	10.3	8.48
1×2×2.5	3.57	60-80	7.98	9.44
1×2×4	4.45	60-80	4.95	11.20
1×2×6	5.22	60-80	3.30	13.14
1×3×0.12	1.20	60-80	163	4.38
1×3×0.2	1.35	60-80	95.0	4.71
1×3×0.3	1.63	60-80	71.2	5.31
1×3×0.4	1.81	60-80	49.6	5.70
1×3×0.5	1.85	60-80	39.0	5.78
1×3×0.6	1.91	60-80	33.0	5.91
1×3×0.75	2.10	60-80	26.0	6.32
1×3×1.0	2.43	60-80	19.5	7.43
1×3×1.5	2.90	60-80	13.3	8.45
1×3×2	3.14	60-80	10.3	8.96
1×3×2.5	3.57	60-80	7.98	9.89
2×2×0.12	1.20	60-80	163	5.76
2×2×0.2	1.35	60-80	95.0	6.26
2×2×0.3	1.63	60-80	71.2	7.18
2×2×0.4	1.81	60-80	49.6	7.77
2×2×0.5	1.85	60-80	39.0	7.91
2×2×0.6	1.91	60-80	33.0	8.50
2×2×0.75	2.10	60-80	26.0	9.13
2×2×1	2.43	60-80	19.5	10.22
2×2×1.5	2.90	60-80	13.3	11.97
2×2×2	3.14	60-80	10.3	13.06
2×2×2.5	3.57	60-80	7.98	14.48
3×2×0.12	1.20	60-80	163	6.06
3×2×0.2	1.35	60-80	95.0	6.60
3×2×0.3	1.63	60-80	71.2	7.59
3×2×0.4	1.81	60-80	49.6	8.23
3×2×0.5	1.85	60-80	39.0	8.78
3×2×0.6	1.91	60-80	33.0	8.99
3×2×0.75	2.10	60-80	26.0	9.66

Specifications (mm^2)	nsulated approximate outside diameter /OD (mm)	Braiding density (%)	Max. conductor resistance at 20℃ (Ω/km)	Approximate OD of cable (mm)
3×2×1(L)	2.43	60-80	19.5	11.04
3×2×1.5(L)	2.90	60-80	13.3	12.91
3×2×2(L)	3.14	60-80	10.3	13.86
3×2×2.5(L)	3.57	60-80	7.98	15.39
4×2×0.12	1.20	60-80	163	6.58
4×2×0.2	1.35	60-80	95.0	7.18
4×2×0.3	1.63	60-80	71.2	8.69
4×2×0.4	1.81	60-80	49.6	9.41
4×2×0.5	1.85	60-80	39.0	9.57
4×2×0.6	1.91	60-80	33.0	9.81
4×2×0.75	2.10	60-80	26.0	10.56
4×2×1.0(L)	2.43	60-80	19.5	12.28
4×2×1.5(L)	2.90	60-80	13.3	14.25
4×2×2.0(L)	3.14	60-80	10.3	15.61
4×2×2.5(L)	3.57	60-80	7.98	17.32
5×2×0.12	1.20	60-80	163	7.15
5×2×0.2	1.35	60-80	95.0	8.21
5×2×0.3	1.63	60-80	71.2	9.46
5×2×0.4	1.81	60-80	49.6	10.26
5×2×0.5	1.85	60-80	39.0	10.44
5×2×0.6	1.91	60-80	33.0	10.71
5×2×0.75	2.10	60-80	26.0	11.76
5×2×1(L)	2.43	60-80	19.5	13.53
5×2×1.5(L)	2.90	60-80	13.3	16.02
5×2×2(L)	3.14	60-80	10.3	17.09
5×2×2.5(L)	3.57	60-80	7.98	19.40
6×2×0.12	1.20	60-80	163	7.74
6×2×0.2	1.35	60-80	95.0	8.88
6×2×0.3	1.63	60-80	71.2	10.27
6×2×0.4	1.81	60-80	49.6	11.16
6×2×0.5	1.85	60-80	39.0	11.36
6×2×0.6	1.91	60-80	33.0	11.65
6×2×0.75	2.10	60-80	26.0	13.10
6×2×1.0(L)	2.43	60-80	19.5	14.73
6×2×1.5(L)	2.90	60-80	13.3	17.46
6×2×2.0(L)	3.14	60-80	10.3	19.04
6×2×2.5(L)	3.57	60-80	7.98	21.17

Note

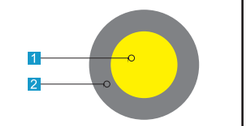
※ “L” in the table means aluminum foil wrapping.

B series PVC insulated wires and cables for fixed wiring

Introduction

This product is used for fixed wiring (laying) of power devices with rated AC voltage U_0 / U 450/750V or below.
Long-term use temperature of the cable is from-15 ° C to 70 ° C, the cable laying temperature is not less than 0 ° C, and temperature can be customized for special use .

Product structure of BV, 60227 IEC 05(BV) and 60227 IEC 01(BV)



BV TYPE 300/500V COPPER CORE PVC INSULATED WIRE

Product implementing standard: JB/T 8734.2-2012

Nominal cross-section of conductor (mm^2)	Min. stranded conductors	Insulation thickness (mm)	Upper limit of average diameter (mm)	Max. conductor resistance at 20℃ (Ω/km)		Min. insulation resistance at 70℃ (MΩ/km)
				Copper core	Tinned copper core	
0.75	7	0.6	2.60	24.5	24.8	0.014
1.0	7	0.6	2.80	18.1	18.2	0.013

60227 IEC 05 (BV) TYPE 300/500V AND 70℃ SINGLE-CORE SOLID NON-SHEATHED CABLE

Product implementing standard: GB/T 5023.3-2008

Nominal cross-section of conductor (mm^2)	Insulation thickness (mm)	Upper limit of average diameter (mm)	Max. conductor resistance at 20℃ (Ω/km)	Min. insulation resistance at 70℃ (MΩ/km)
			Copper core	
0.5	0.6	2.40	36.0	0.015
0.75	0.6	2.60	24.5	0.012
1.0	0.6	2.80	18.1	0.011

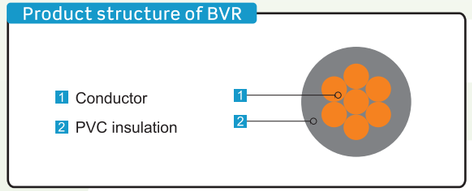
60227 IEC 01 (BV) TYPE 450/750V SINGLE-CORE RIGID CONDUCTOR AND NON-SHEATHED CABLE FOR GENERAL PURPOSE

Product implementing standard: **GB/T 5023.3-2008**

Nominal cross-section of conductor (mm^2)	Kind of conductors	Insulation thickness (mm)	Upper limit of average diameter (mm)	Max. conductor resistance at 20℃ (Ω/km)	Min. insulation resistance at 70℃ (MΩ/km)
				Copper core	
1.5	1	0.7	3.3	12.1	0.011
	2		3.4		0.010
2.5	1	0.8	3.9	7.41	0.010
	2		4.2		0.009
4	1	0.8	4.4	4.61	0.0085
	2		4.8		0.0077
6	1	0.8	4.9	3.08	0.0070
	2		5.4		0.0065
10	1	1.0	6.4	1.83	0.0070
	2		6.8		0.0065
16	2	1.0	8.0	1.15	0.0050
25	2	1.2	9.8	0.727	0.0050
35	2	1.2	11.0	0.524	0.0040
50	2	1.4	13.0	0.387	0.0045
70	2	1.4	15.0	0.268	0.0035
95	2	1.6	17.0	0.193	0.0035
120	2	1.6	19.0	0.153	0.0032
150	2	1.8	21.0	0.124	0.0032
185	2	2.0	23.5	0.0991	0.0032

BVR TYPE 450/750V COPPER CORE AND PVC INSULATED FLEXIBLE CABLE

Product structure of BVR

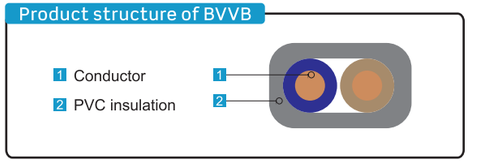


Product implementing standard: **JB/T 8734.2-2012**

Nominal cross-section of conductor (mm^2)	Min. stranded conductors	Insulation thickness (mm)	Upper limit of average diameter (mm)	Max. conductor resistance at 20℃ (Ω/km)		Min. insulation resistance at 70℃ (MΩ/km)
				Copper core	Tinned copper core	
2.5	19	0.8	4.1	7.41	7.56	0.010
4	19	0.8	4.8	4.61	4.70	0.009
6	19	0.8	5.3	3.08	3.11	0.0084
10	49	1.0	6.8	1.83	1.84	0.0072
16	49	1.0	8.1	1.15	1.16	0.0062
25	98	1.2	10.2	0.727	0.734	0.0058
35	133	1.2	11.7	0.524	0.529	0.0052
50	133	1.4	13.9	0.387	0.391	0.0051
70	189	1.4	16.0	0.268	0.270	0.0045

BVVB TYPE 300/500V COPPER CORE, PVC INSULATED AND SHEATHED FLAT CABLE

Product structure of BVVB

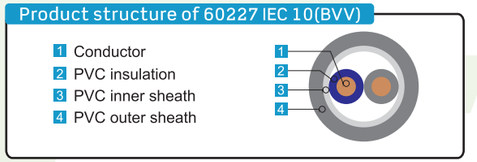


Product implementing standard: **JB/T 8734.2-2012**

Nominal cross-section of conductor (mm^2)	Min. stranded conductors	Insulation thickness (mm)	Upper limit of average diameter (mm)	Average overall dimensions (mm)		Max. conductor resistance at 20℃ (Ω/km)		Min. insulation resistance at 70℃ (MΩ/km)
				Lower limit	Upper limit	Copper core	Tinned copper core	
2×0.75	1	0.6	0.9	3.8×5.9	4.6×7.1	24.5	24.8	0.012
2×1.0	1	0.6	0.9	3.9×6.1	4.8×7.4	18.1	18.2	0.011
2×1.5	1	0.7	0.9	4.4×7.0	5.8×8.5	12.1	12.2	0.011
2×2.5	1	0.8	1.0	5.1×8.4	6.2×10.1	7.41	7.56	0.010
2×4	1	0.8	1.0	5.6×9.2	6.7×11.1	4.61	4.70	0.0085
2×4	7	0.8	1.0	5.7×9.5	6.9×11.5	4.61	4.70	0.008
2×6	1	0.8	1.1	6.2×10.4	7.5×12.5	3.08	3.11	0.0070
2×6	7	0.8	1.1	6.4×10.8	7.8×13.0	3.08	3.11	0.0065
3×0.75	1	0.6	0.9	3.8×7.9	4.6×9.6	24.5	24.8	0.012
3×1.0	1	0.6	0.9	3.9×8.4	4.8×10.1	18.1	18.2	0.011
3×1.5	1	0.7	0.9	4.4×9.6	5.3×11.7	12.1	12.2	0.011
3×2.5	1	0.8	1.0	5.1×11.6	6.2×14.0	7.41	7.56	0.010
3×4	1	0.8	1.1	5.8×13.1	7.0×15.8	4.61	4.70	0.0085
3×4	7	0.8	1.1	5.9×13.5	7.1×16.3	4.61	4.70	0.008
3×6	1	0.8	1.1	6.2×14.5	7.5×17.5	3.08	3.11	0.0070
3×6	7	0.8	1.1	6.4×15.1	7.8×18.2	3.08	3.11	0.0065

60227 IEC 10 (BVV) type 300/500V light PVC sheathed cable

Product structure of 60227 IEC 10(BVV)



Product implementing standard: **GB/T 5023.4-2008**

Core number ×nominal cross section (mm^2)	Kind of conductors	Insulation thickness (mm)	Approx. thickness of inner sheath (mm)	Thickness of outer sheath (mm)	Average outside diameter(OD) (mm)		Max. conductor resistance at 20℃ (Ω/km)	Min. insulation resistance at 70℃ (MΩ/km)
					Lower limit	Upper limit		
2×1.5	1	0.7	0.4	1.2	7.6	10.0	12.1	0.011
	2	0.7	0.4	1.2	7.8	10.5	12.1	0.010
2×2.5	1	0.8	0.4	1.2	8.6	11.5	7.41	0.010
	2	0.8	0.4	1.2	9.0	12.0	7.41	0.009

Core number ×nominal cross section (mm^2)	Kind of conductors	Insulation thickness (mm)	Approx. thickness of inner sheath (mm)	Thickness of outer sheath (mm)	Average outside diameter(OD) (mm)		Max. conductor resistance at 20℃ (MΩ/km)	Min. insulation resistance at 70℃ (MΩ/km)
					Lower limit	Upper limit		
2×4	1	0.8	0.4	1.2	9.6	12.5	4.61	0.0085
	2	0.8	0.4	1.2	10.0	13.0	4.61	0.0077
2×6	1	0.8	0.4	1.2	10.5	13.5	3.08	0.0070
	2	0.8	0.4	1.2	11.0	14.0	3.08	0.0065
2×10	1	1.0	0.6	1.4	13.0	16.5	1.83	0.0070
	2	1.0	0.6	1.4	13.5	17.5	1.83	0.0065
2×16	2	1.0	0.6	1.4	15.5	20.0	1.15	0.0052
2×25	2	1.2	0.8	1.4	18.5	24.0	0.727	0.0050
2×35	2	1.2	1.0	1.6	21.0	27.5	0.524	0.0044
3×1.5	1	0.7	0.4	1.2	8.0	10.5	12.1	0.011
	2	0.7	0.4	1.2	8.2	11.0	12.1	0.010
3×2.5	1	0.8	0.4	1.2	9.2	12.0	7.41	0.010
	2	0.8	0.4	1.2	9.4	12.5	7.41	0.009
3×4	1	0.8	0.4	1.2	10.0	13.0	4.61	0.0085
	2	0.8	0.4	1.2	10.5	13.5	4.61	0.0077
3×6	1	0.8	0.4	1.4	11.5	14.5	3.08	0.0070
	2	0.8	0.4	1.2	12.0	15.5	3.08	0.0065
3×10	1	1.0	0.6	1.4	14.0	17.5	1.83	0.0070
	2	1.0	0.6	1.4	14.5	19.0	1.83	0.0065
3×16	2	1.0	0.8	1.4	16.5	21.5	1.15	0.0052
3×25	2	1.2	0.8	1.6	20.5	26.0	0.727	0.0050
3×35	2	1.2	1.0	1.6	22.0	29.0	0.524	0.0044
4×1.5	1	0.7	0.4	1.2	8.6	11.5	12.1	0.011
	2	0.7	0.4	1.2	9.0	12.0	12.1	0.010
4×2.5	1	0.8	0.4	1.2	10.0	13.0	7.41	0.010
	2	0.8	0.4	1.2	10.0	13.5	7.41	0.009
4×4	1	0.8	0.4	1.4	11.5	14.5	4.61	0.0085
	2	0.8	0.4	1.2	12.0	15.0	4.61	0.0077
4×6	1	0.8	0.6	1.4	12.5	16.0	3.08	0.0070
	2	0.8	0.6	1.4	13.0	17.0	3.08	0.0065
4×10	1	1.0	0.6	1.4	15.5	19.0	1.83	0.0070
	2	1.0	0.6	1.4	16.0	20.5	1.83	0.0065
4×16	2	1.0	0.8	1.4	18.0	23.5	1.15	0.0052
4×25	2	1.2	1.0	1.6	22.5	28.5	0.727	0.0050
4×35	2	1.2	1.0	1.6	24.5	32.0	0.524	0.0044
5×1.5	1	0.7	0.4	1.2	9.4	12.0	12.1	0.011
	2	0.7	0.4	1.2	9.8	12.5	12.1	0.010
5×2.5	1	0.8	0.4	1.2	11.0	14.0	7.41	0.010
	2	0.8	0.4	1.2	11.0	14.5	7.41	0.009
5×4	1	0.8	0.6	1.4	12.5	16.0	4.61	0.0085
	2	0.8	0.6	1.4	13.0	17.0	4.61	0.0077
5×6	1	0.8	0.6	1.4	13.5	17.5	3.08	0.0070
	2	0.8	0.6	1.4	14.5	18.5	3.08	0.0065
5×10	1	1.0	0.6	1.4	17.0	21.0	1.83	0.0070
	2	1.0	0.6	1.4	17.5	22.0	1.83	0.0065
5×16	2	1.0	0.8	1.6	20.5	26.0	1.15	0.0052
5×25	2	1.2	1.0	1.6	24.5	31.5	0.727	0.0050
5×35	2	1.2	1.2	1.6	27.0	35.0	0.524	0.0040

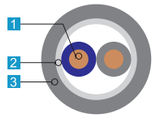
KVV (P) control cables

Introduction

This product is used for connecting wires of electric instrument in power distribution devices with rated AC voltage U_0 / U 450/750V or below. Long-term use temperature of the cable is from-15 ° C to 70 ° C, the cable laying temperature is not less than 0 ° C, and temperature can be customized for special use.

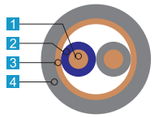
Product structure of KVV

1 Conductor
2 PVC insulation
3 PVC outer sheath



Product structure of KVVP

1 Conductor
2 PVC insulation
3 Copper wire braided shielding
4 PVC outer sheath



Product implementing standard: GB/T 9330.2-2008

KVV (P) SERIES PVC INSULATED AND PVC SHEATHED (SHIELDED) CONTROL CABLE

Core number ×nominal cross section (mm^2)	Kind of conductors	Insulation thickness (mm)	KVVP type shielding density (%)	Thickness of outer sheath (mm)	Approx. average outside diameter (mm)		Min. insulation resistance at 70℃ (MΩ/km)
					KVV type	KVVP type	
2×0.75	1	0.6	—	1.2	7.74	—	0.012
2×0.75	2	0.6	65~80	1.2	8.02	8.62	0.014
2×1.0	1	0.6	—	1.2	8.06	—	0.011
2×1.0	2	0.6	65~80	1.2	8.38	8.98	0.013
2×1.5	1	0.7	—	1.2	8.96	—	0.011
2×1.5	2	0.7	65~80	1.2	9.32	9.92	0.012
2×2.5	1	0.8	—	1.2	10.16	—	0.010
2×2.5	2	0.8	65~80	1.2	10.68	11.28	0.009
2×4	1	0.8	—	1.2	11.1	—	0.0077
2×4	2	0.8	65~80	1.2	11.7	13.1	0.0085
2×6	1	0.8	—	1.5	12.12	—	0.0070
2×6	2	0.8	65~80	1.5	12.84	14.24	0.0065
2×10	2	1.0	65~80	1.5	15.5	16.9	0.0065
3×0.75	1	0.6	—	1.2	8.07	—	0.012
3×0.75	2	0.6	65~80	1.2	8.38	8.98	1.014
3×1.0	1	0.6	—	1.2	8.42	—	0.011
3×1.0	2	0.6	65~80	1.2	8.76	9.36	0.013
3×1.5	1	0.7	—	1.2	9.39	—	0.011
3×1.5	2	0.7	65~80	1.2	9.78	10.38	0.012
3×2.5	1	0.8	—	1.2	10.68	—	0.010
3×2.5	2	0.8	65~80	1.2	11.24	11.84	0.009
3×4	1	0.8	—	1.2	11.69	—	0.0077
3×4	2	0.8	65~80	1.2	12.34	13.74	0.0085
3×6	1	0.8	—	1.5	13.39	—	0.0070
3×6	2	0.8	65~80	1.5	14.17	14.97	0.0065
3×10	2	1.0	65~80	1.5	17.03	17.83	0.0065
4×0.75	1	0.6	—	1.2	8.64	—	0.012
4×0.75	2	0.6	65~80	1.2	8.98	9.58	0.014
4×1.0	1	0.6	—	1.2	9.02	—	0.011
4×1.0	2	0.6	65~80	1.2	9.41	10.01	0.013

天诚 TIAN CHENG®

Core number ×nominal cross section (mm^2)	Kind of conductors	Insulation thickness (mm)	KVVP type shielding density (%)	Thickness of outer sheath (mm)	Approx. average outside diameter (mm)		Min. insulation resistance at 70℃ (MΩ/km)
					KVV type	KVVP type	
4×1.5	1	0.7	—	1.2	10.11	—	0.011
4×1.5	2	0.7	65~80	1.2	10.55	11.15	0.012
4×2.5	1	0.8	—	1.2	11.56	—	0.010
4×2.5	2	0.8	65~80	1.2	12.19	13.59	0.009
4×4	1	0.8	—	1.5	13.29	—	0.0077
4×4	2	0.8	65~80	1.5	14.02	14.82	0.0085
4×6	1	0.8	—	1.5	14.53	—	0.0070
4×6	2	0.8	65~80	1.5	15.39	16.19	0.0065
4×10	2	1.0	65~80	1.7	18.60	19.80	0.0065
5×0.75	1	0.6	—	1.2	9.26	—	0.012
5×0.75	2	0.6	65~80	1.2	9.64	10.24	0.014
5×1.0	1	0.6	—	1.2	9.69	—	0.011
5×1.0	2	0.6	65~80	1.2	10.12	10.72	0.013
5×1.5	1	0.7	—	1.2	10.91	—	0.011
5×1.5	2	0.7	65~80	1.2	11.39	11.99	0.012
5×2.5	1	0.8	—	1.5	13.13	—	0.010
5×2.5	2	0.8	65~80	1.5	13.83	14.63	0.009
5×4	1	0.8	—	1.5	14.40	—	0.0077
5×4	2	0.8	65~80	1.5	15.21	16.01	0.0085
5×6	1	0.8	—	1.5	15.77	—	0.0070
5×6	2	0.8	65~80	1.5	16.74	17.54	0.0065
5×10	2	1.0	65~80	1.7	20.74	21.54	0.0065
7×0.75	1	0.6	—	1.2	9.91	—	0.012
7×0.75	2	0.6	65~80	1.2	10.33	10.93	0.014
7×1.0	1	0.6	—	1.2	10.39	—	0.011
7×1.0	2	0.6	65~80	1.2	10.87	11.47	0.013
7×1.5	1	0.7	—	1.2	11.79	—	0.011
7×1.5	2	0.7	65~80	1.2	12.28	13.48	0.012
7×2.5	1	0.8	—	1.5	14.14	—	0.010
7×2.5	2	0.8	65~80	1.5	14.60	15.60	0.010
8×2.5	1	0.8	—	1.5	14.92	—	0.010
8×2.5	2	0.8	65~80	1.5	15.72	16.55	0.009
8×4	1	0.8	—	1.5	16.43	—	0.0077
8×4	2	0.8	65~80	1.5	17.4	18.6	0.0085
8×6	1	0.8	—	1.7	18.48	—	0.0070
8×6	2	0.8	65~80	1.7	19.64	20.44	0.0065
8×10	2	1.0	65~80	1.7	23.94	24.94	0.0065
10×0.75	1	0.6	—	1.2	12.08	—	0.012
10×0.75	2	0.6	65~80	1.2	12.64	14.04	0.014
10×1.0	1	0.6	—	1.5	13.32	—	0.011
10×1.0	2	0.6	65~80	1.5	13.96	14.76	0.013
10×1.5	1	0.7	—	1.5	15.12	—	0.011
10×1.5	2	0.7	65~80	1.5	15.84	16.64	0.012
10×2.5	1	0.8	—	1.5	17.52	—	0.010
10×2.5	2	0.8	65~80	1.5	18.56	19.36	0.009
10×4	1	0.8	—	1.7	19.8	—	0.0077
10×4	2	0.8	65~80	1.7	21	21.8	0.0085
10×6	1	0.8	—	1.7	21.84	—	0.0070
10×6	2	0.8	65~80	1.7	23.28	24.28	0.0065
10×10	2	1.0	65~80	1.7	28.6	29.6	0.0065
12×0.75	1	0.6	—	1.5	13.01	—	0.012
12×0.75	2	0.6	65~80	1.5	13.6	14.40	0.014
12×1.0	1	0.6	—	1.5	13.68	—	0.011
12×1.0	2	0.6	65~80	1.5	14.34	15.14	0.013
12×1.5	1	0.7	—	1.5	15.55	—	0.011
12×1.5	2	0.7	65~80	1.5	16.3	17.1	0.012
12×2.5	1	0.8	—	1.5	18.04	—	0.010
12×2.5	2	0.8	65~80	1.5	19.12	20.32	0.009
12×4	1	0.8	—	1.7	20.39	—	0.0077
12×4	2	0.8	65~80	1.7	21.64	22.44	0.0085
12×6	1	0.8	—	1.7	22.51	—	0.0070
12×6	2	0.8	65~80	1.7	24.01	25.01	0.0065
14×0.75	1	0.6	—	1.5	13.58	—	0.012
14×0.75	2	0.6	65~80	1.5	14.20	15	0.014
14×1.0	1	0.6	—	1.5	14.28	—	0.011
14×1.0	2	0.6	65~80	1.5	15.99	16.79	0.013
14×1.5	1	0.7	—	1.5	16.27	—	0.011
14×1.5	2	0.7	65~80	1.5	17.07	17.87	0.012
14×2.5	1	0.8	—	1.5	18.92	—	0.010
14×2.5	2	0.8	65~80	1.5	20.07	21.27	0.009
14×4	1	0.8	—	1.7	21.39	—	0.0077
14×4	2	0.8	65~80	1.7	22.72	23.52	0.0085
14×6	1	0.8	—	1.7	23.65	—	0.0070
14×6	2	0.8	65~80	1.7	25.23	26.23	0.0065
16×0.75	1	0.6	—	1.5	14.20	—	0.012
16×0.75	2	0.6	65~80	1.5	14.86	15.66	0.014
16×1.0	1	0.6	—	1.5	14.95	—	0.011
16×1.0	2	0.6	65~80	1.5	15.70	16.50	0.013
16×1.5	1	0.7	—	1.5	17.07	—	0.011
16×1.5	2	0.7	65~80	1.5	17.91	18.71	0.012
16×2.5	1	0.8	—	1.7	20.29	—	0.010
16×2.5	2	0.8	65~80	1.7	21.57	22.31	0.009
19×0.75	1	0.6	—	1.5	14.85	—	0.012
19×0.75	2	0.6	65~80	1.5	15.55	16.35	0.014
19×1.0	1	0.6	—	1.5	15.65	—	0.011
19×1.0	2	0.6	65~80	1.5	16.45	17.25	0.013
19×1.5	1	0.7	—	1.5	17.9	—	0.011
19×1.5	2	0.7	65~80	1.5	18.8	20	0.012
19×2.5	1	0.8	—	1.7	21.3	—	0.010
19×2.5	2	0.8	65~80	1.7	22.6	23.4	0.009
24×0.75	1	0.6	—	1.5	17.02	—	0.012
24×0.75	2	0.6	65~80	1.5	17.86	18.66	0.014
24×1.0	1	0.6	—	1.5	17.98	—	0.011
24×1.0	2	0.6	65~80	1.5	18.94	20.14	0.013
24×1.5	1	0.7	—	1.5	20.68	—	0.011
24×1.5	2	0.7	65~80	1.5	22.16	22.96	0.012
24×2.5	1	0.8	—	1.7	24.68	—	0.010
24×2.5	2	0.8	65~80	1.7	26.24	27.24	0.009
27×0.75	1	0.6	—	1.5	17.35	—	0.012
27×0.75	2	0.6	65~80	1.5	18.26	19.06	0.014
27×1.0	1	0.6	—	1.5	18.34	—	0.011
27×1.0	2	0.6	65~80	1.5	19.32	20.52	0.013
27×1.5	1	0.7	—	1.7	21.51	—	0.011
27×1.5	2	0.7	65~80	1.7	22.62	23.42	0.012
27×2.5	1	0.8	—	1.7	25.2	—	0.010
27×2.5	2	0.8	65~80	1.7	26.8	27.8	0.009
30×0.75	1	0.6	—	1.5	17.92	—	0.012
30×0.75	2	0.6	65~80	1.5	18.82	20.02	0.014
30×1.0	1	0.6	—	1.7	19.34	—	0.011
30×1.0	2	0.6	65~80	1.7	20.37	21.17	0.013
30×1.5	1	0.7	—	1.7	22.23	—	0.011
30×1.5	2	0.7	65~80	1.7	23.39	24.39	0.012
30×2.5	1	0.8	—	1.7	26.08	—	0.010
30×2.5	2	0.8	65~80	1.7	27.75	28.75	0.009
37×0.75	1	0.6	—	1.7	19.59	—	0.012
37×0.75	2	0.6	65~80	1.7	20.57	21.37	0.014
37×1.0	1	0.6	—	1.7	20.71	—	0.011
37×1.0	2	0.6	65~80	1.7	21.83	22.63	0.013
37×1.5	1	0.7	—	1.7	23.86	—	0.011
37×1.5	2	0.7	65~80	1.7	25.12	26.12	0.012
37×2.5	1	0.8	—	1.7	28.06	—	0.010
37×2.5	2	0.8	65~80	1.7	29.88	31.48	0.009

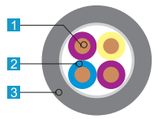
VV series PVC insulated and PVC sheathed power cable

Introduction

This product is used in fixed laying to distribute the electricity in the transmission lines of electricity with AC 50Hz, rated voltage 0.6/1kV or below. The long-term use temperature of cable is from -15 ° C to 70 ° C, and cable laying temperature is not less than 0 ° C. When in short circuit (max 5 s), the highest temperature of the cable conductor should not exceed 160 ° C,and temperature can be customized for special use.

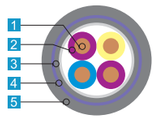
Product structure of VV

1 Conductor
2 PVC insulation
3 PVC outer sheath



Product structure of VV22

1 Conductor
2 PVC insulation
3 Inside liner
4 Double layer of steel-tape armor
5 PVC outer sheath



Product implementing standard:
GB/T 12706.1-2008

Core number × nominal cross section (mm^2)	Insulation thickness (mm)	Sheath thickness (mm)	outside diameter of sheath (mm)		Max. conductor resistance at 20℃ (Ω/km)	Min. insulation resistance at 70℃ (MΩ/km)
			VV	VV22		
1×6	1.0	1.4	7.56	—	3.08	0.0070
1×10	1.0	1.4	8.85	—	1.83	0.0065
1×16	1.0	1.4	9.90	—	1.15	0.0055
1×25	1.2	1.4	11.62	—	0.727	0.0050
1×35	1.2	1.4	12.76	—	0.524	0.0045
2×1.5	0.8	1.8	9.26	13.86	12.1	0.011
2×2.5	0.8	1.8	10.06	13.86	7.41	0.010
2×4	1.0	1.8	11.80	14.70	4.61	0.0085
2×6	1.0	1.8	12.82	15.72	3.08	0.0070
2×10	1.0	1.8	15.40	18.30	1.83	0.0065
2×16	1.0	1.8	17.50	20.40	1.15	0.0055
2×25	1.2	1.8	20.94	23.84	0.727	0.0050
2×35	1.2	1.8	23.22	26.12	0.524	0.0045
3×1.5	0.8	1.8	9.72	13.62	12.1	0.011
3×2.5	0.8	1.8	10.58	14.00	7.41	0.010
3×4	1.0	1.8	12.45	15.35	4.61	0.0085
3×6	1.0	1.8	13.55	16.45	3.08	0.0070
3×10	1.0	1.8	16.33	19.23	1.83	0.0065
3×16	1.0	1.8	18.59	21.49	1.15	0.0055
3×25	1.2	1.8	22.30	25.20	0.727	0.0050
3×35	1.2	1.8	24.75	27.65	0.524	0.0045
4×1.5	0.8	1.8	10.49	13.39	12.1	0.011
4×2.5	0.8	1.8	11.46	14.36	7.41	0.010
4×4	1.0	1.8	13.56	16.46	4.61	0.0085
4×6	1.0	1.8	14.79	17.69	3.08	0.0070
4×10	1.0	1.8	17.90	20.80	1.83	0.0065
4×16	1.0	1.8	20.44	23.34	1.15	0.0055
4×25	1.2	1.8	24.59	27.49	0.727	0.0050
4×35	1.2	1.8	27.34	—	0.524	0.0045
3×2.5+1×1.5	0.8	1.8	11.24	14.14	7.41	0.010
3×4+1×2.5	1.0	1.8	13.08	15.98	4.61	0.0085
3×6+1×4	1.0	1.8	14.49	17.39	3.08	0.0070
3×10+1×6	1.0	1.8	17.22	20.12	1.83	0.0065
3×16+1×10	1.0	1.8	19.84	22.74	1.15	0.0055
3×25+1×16	1.2	1.8	23.59	26.49	0.727	0.0050
3×35+1×25	1.2	1.8	25.81	—	0.524	0.0045

COAXIAL CABLES

HJ series office RF coaxial cable

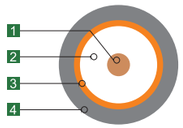
Introduction

Purpose: It's mainly used for connecting lines between the transmission equipment in the computer rooms of communication system.

Feature: The working frequency of the cable is 1 MHZ to 200 MHZ.

Product structure of HJYFV

1 Conductor
2 Polyethylene insulation
3 Shielding layer
4 PVC outer sheath



Product implementing standard: **YD/T 1174-2008**

Cable type -specifications	Inner conductor specifications (mm)	Insulation outer diameter (mm)	Outer conductor types	Diameter of the outer conductor (mm)	Sheathing material	Outer diameter of finished product (mm)
HJYV-75-2B-3.2	0.310	1.9	1 braid	2.50	PVC	≤3.2
HJFYV-75-2B-3.2	—	1.9	1 braid	2.50	PVC	≤3.2
HJYV-75-2B-3.6	0.340	2.1	1 braid	2.70	PVC	≤3.6
HJFYV-75-2B-3.6	—	2.1	1 braid	2.70	PVC	≤3.6
HJYV-75-5B-8.0	0.790	5.08	1 braid	7.09	PVC	≤8.0
HJFYV-75-5B-8.0	—	5.08	2 braids	7.09	PVC	≤8.0
HJYV-75-5L-8.0	0.790	5.08	2 braids	7.09	PVC	≤8.0
HJFYV-75-5L-8.0	—	5.08	2 braids	7.09	PVC	≤8.0
HJYV-75-5H-8.0	—	5.08	2 braids	7.09	PVC	≤8.0
HJFYV-75-5H-8.0	—	5.08	2 braids	7.09	PVC	≤8.0
HJCSYV-75-4B-6.8	—	3.71	2 braids	5.59	PVC	≤6.8
HJCSFYV-75-4B-6.8	0.570	3.71	2 braids	5.59	PVC	≤6.8
HJCSYV-75-4L-6.8	—	3.71	2 braids	5.59	PVC	≤6.8
HJCSFYV-75-4L-6.8	—	3.71	2 braids	5.59	PVC	≤6.8
HJCSYV-75-4B-6.8×10	—	3.71	2 braids	5.59	PVC	≤28.6
HJCSFYV-75-4B-6.8×10	—	3.71	2 braids	5.59	PVC	≤28.6
HJSCYFV-75-4L-6.0	0.790	3.76	2 braids	4.70	PVC	6.0±0.2
HJSCYFV-75-4L-6.1	0.870	3.86	Standard Shield	4.75	PVC	6.1±0.2
HJYFV-75-2L-3.4	0.400	1.96	Standard Shield	2.67	PVC	3.4±0.2
HJSCYFV-75-2L-3.4	—	1.96	Standard Shield	2.67	PVC	3.4±0.2

※All the requirements of each 4B-6.8 cable unit in multiple-units-type cables shall be the same as that of the 4B-6.8 cable (Except with logo stripes, logo ring or identification number).

Note 1
※ Weather resistant cable can be used in outdoor;

Note 2
※ For the users' special requirements, 2B-3.2, 2B-3.6, 4L-6.1 and 2L-3.4 cables can also be used to make multiple-units-type cables, whose cable unit number (including the 4B-6.8 cable) can be arbitrary;

Note 3
※ For the users' special requirements, the insulation materials of solid polyethylene and foamed polyethylene can also be exchanged.

Product implementing standard: **company standard**

Cable type -specifications	Inner conductor specifications (mm)	Insulation outer diameter (mm)	Outer conductor types	Diameter of the outer conductor (mm)	Sheathing material	Outer diameter of finished product (mm)
HJYFV-75-2L(1P)-3.4	0.400	1.96	1 braid	2.67	PVC	3.4
HJYFV-75-2L(2P)-3.4	0.400	1.96	2 braid	2.67	PVC	3.4
HJYFV-75-2L(1P)-3.4×8	0.400	1.96	1 braid	2.67	PVC	13.0
HJYFV-75-2L(2P)-3.4×8	0.400	1.96	2 braid	2.67	PVC	13.3

Note 1
※ HJ-office communication coaxial cable; 75-nominal characteristic impedance is 75Ω; CS-copper-clad steel wire; SC- silver-plated copper wire; TC- tinned copper wire; T- Cu (omitted);

Note 2
※ Y-solid core polyethylene; FY- inner solid fep + outer solid polyethylene; YF- foamed polyethylene; V-polyvinyl chloride (PVC);

Note 3
※ Standard Shield-a layer of aluminum foil longitudinal wrapping + a layer of copper wire braiding; a layer of shielding (single screen) - a layer of copper wire braiding; two layers of shielding (dual) - two layers of copper wire braiding.

Serial number	Item		Unit	Frequency MHZ	2B-3.2	2B-3.6	5B-8.0 5L-8.0 5H-8.0	4B-6.8 4L-6.8	4L-6.0 4L-6.1	2L-3.4
1	Max. DC resistance of inner conductor at 20 ℃	Copper wire	Ω•km	—	268.0	219.0	36.7	—	—	150.0
		Copper-clad steel wire		—	—	—	—	183.3	—	—
		Silver-plated copper wire		—	—	—	—	—	36.5	140.7
		Tinned copper wire		—	—	—	—	—	36.5	—
2	d.c Insulation dielectric strength		V/1min	—	1500	1500	1500	1500	1500	1500
3	min Insulation resistance		MΩ•km	—	5000	5000	5000	5000	5000	5000
4	Characteristic impedance		Ω	10~100	75±3	75±3	75±3	75±3	75±3	75±3
5	Attenuation constant (100m)20℃, max		dB	1	2.5	2.1	0.7	1.3	—	2.0
				5	5.0	4.4	2.0	2.6	2.0	3.9
				10	7.7	6.8	2.6	3.6	2.6	5.6
				22.5	—	12.0	3.9	5.9	4.3	—
				50	—	16.3	5.9	8.9	5.9	12.5
				100	—	21.5	9.2	12.5	9.2	18.0
				200	—	—	—	—	13.1	25.6
6	Min Structural return loss (SRL)		dB	15~90	18	18	18	18 4B-6.8	23	23
							5B-8.0			
							23			
							5H-8.0			
				55~95	—	—	26	26	—	—
							5L-8.0	4L-6.8		

Note 1
※ The inner conductor and outer conductor of the cable shall be continuous along the length of the cable;

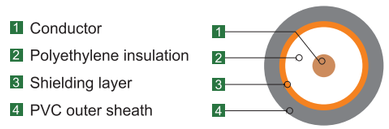
Note 2
※ The figures in brackets denote specification codes of cables;

50 Ω series RF coaxial cable

Introduction

The product is suitable for the use in wireless communication and electronic devices of similar techniques. The using temperature range is -40 ° C to 70 ° C.

Product structure of solid polyethylene insulated coaxial



Product implementing standard: **GB/T 14864-2013**

types	n/mm Inner conductor	Weaving materials inside / outside	Insulation outside diameter (mm)	Cable outside diameter (mm)	Sheathing material	200MHz dB/m Nominal attenuation	Nominal characteristic impedance (Ω)
SYV-50-2-1	7/0.16	Copper / -	1.50±0.10	2.8±0.2	II	0.450	50±2
SYV-50-2-41	1/0.68	Copper / -	2.20±0.10	4.0±0.2	II	0.310	
SYV-50-3-1	7/0.32	Copper / -	2.95±0.13	5.0±0.2	II	0.240	
SYV-50-3-3	1/0.90	Copper / -	2.95±0.13	5.0±0.2	I	0.220	
SYV-50-3-4	1/0.90	Copper / -	2.95±0.13	5.0±0.2	II	0.220	
SYV-50-3-5	1/0.90	Copper/copper	2.95±0.13	5.8±0.2	I	0.220	
SYV-50-3-41	1/0.90	Copper/copper	2.95±0.13	5.8±0.2	II	0.220	
SYV-50-5-1	1/1.40	Copper / -	4.80±0.20	7.2±0.3	II	0.150	
SYV-50-5-3	1/1.40	Copper / -	4.80±0.20	7.2±0.3	I	0.150	
SYV-50-5-4	1/1.40	Copper/copper	4.80±0.20	7.9±0.3	I	0.150	
SYV-50-5-41	1/1.40	Copper/copper	4.80±0.20	7.9±0.3	II	0.150	
SYV-50-7-1	7/0.75	Copper / -	7.25±0.25	10.3±0.3	I	0.110	
SYV-50-7-2	7/0.75	Copper / -	7.25±0.25	10.3±0.3	II	0.110	
SYV-50-7-3	7/0.75	Copper/copper	7.25±0.25	11.0±0.3	I	0.110	
SYV-50-7-4	1/0.75	Copper / -	7.25±0.25	10.3±0.3	I	0.620 At 3000MHz	
SYV-50-7-6	7/0.75	Silver plated copper/copper	7.25±0.25	11.0±0.3	I	0.620 At 3000MHz	
SYV-50-7-41	7/0.75	Copper/copper	7.25±0.25	11.0±0.3	II	0.110	
SYV-50-9-41	7/0.95	Copper / -	9.00±0.30	12.2±0.4	II	0.095	

Note

※ The size of a single wire of inner conductor is approximation, sheathing material I means -40℃ non-pollution type PVC, and II means -40℃ ordinary type PVC.

75 Ω series RF coaxial cable

INTRODUCTION

The product is suitable for the use in wireless communication and electronic devices of similar techniques. The using t emperature range is -40 ° C to 70 ° C.

Product implementing standard: **GB/T 14864-2013**

types	Inner conductor (n/mm)	Weaving materials inside / outside	Insulation outside diameter (mm)	Cable outside diameter (mm)	Sheathing material	200MHz dB/m Nominal attenuation	Nominal characteristic impedance (Ω)
SYV-75-3-41	7/0.17	Copper / —	3.00±0.13	5.0±0.25	II	0.280	75±3
SYV-75-4-1	7/0.21	Copper /—	3.70±0.13	6.0±0.20	II	0.220	
SYV-75-4-2	7/0.21	Copper/copper	3.70±0.10	6.7±0.20	I	0.950 At 3000MHz	
SYV-75-4-3	1/0.59	Copper /—	3.70±0.13	6.0±0.20	I	0.190	
SYV-75-4-4	1/0.59	Copper /—	3.70±0.13	6.0±0.20	II	0.190	
SYV-75-5-4	1/0.75	Copper /—	4.80±0.20	7.2±0.30	I	0.150	
SYV-75-5-5	1/0.75	Copper/copper	4.80±0.20	7.9±0.30	I	0.150	
SYV-75-5-41	1/0.75	Copper /—	4.80±0.20	7.2±0.30	II	0.150	
SYV-75-5-42	1/0.75	Copper/copper	4.80±0.20	7.9±0.30	II	0.150	
SYV-75-7-1	7/0.40	Copper /—	7.25±0.25	10.3±0.30	I	0.120	
SYV-75-7-2	7/0.40	Copper / —	7.25±0.25	10.3±0.30	II	0.120	
SYV-75-7-3	7/0.40	Copper/copper	7.25±0.25	11.0±0.30	I	0.600 At 3000MHz	
SYV-75-7-4	1/1.15	Copper / —	7.25±0.25	10.3±0.30	I	0.525 At 3000MHz	
SYV-75-7-8	1/1.15	Copper / —	7.25±0.25	10.3±0.30	II	0.100	
SYV-75-7-41	7/0.40	Copper/copper	7.25±0.25	11.0±0.30	II	0.120	
SYV-75-9-41	1/1.37	Copper / —	9.0±0.30	12.2±0.40	I	0.088	

Note

※ The size of a single wire of inner conductor is approximation, sheathing material I means -40 ℃ non-pollution type PVC, and II means -40 ℃ ordinary type PVC.

SYWV(Y) series physical foaming wired television cable

Introduction

Application: It is mainly used in cable television systems and for the transmission of data, language and image signals in HFC fiber coaxial cables.

Product characteristics: Low attenuation, good structure uniformity, optimal anti-interference performance, strong moisture resistance, low temperature coefficient

Product implementing standard: **GY/T 135-1998**

STRUCTURE DIMENSION

Items / Types	Diameter of the inner conductor (mm)	Insulation OD (mm)	Weaving (n/mm)	Aluminum foil (width × thickness) (mm)	Sheath OD (mm)
SYWV-75-5(2P)	1.00±0.02	4.8±0.20	64/0.12	Sing lestick 18×0.075	7.20±0.30
SYWV-75-5(4P)	1.00±0.02	4.8±0.20	Inside 80/0.12	Sing lestick 18×0.075	7.50±0.20
			Outside 64/0.12	Double -sided 21×0.05	
SYWV-75-7(2P)	1.66±0.02	7.25±0.25	120/0.12	Single stick 27×0.075	10.30±0.30
SYWY-75-7(2P)	1.66±0.02	7.25±0.25	120/0.12	Single stick 27×0.075	
SYWV-75-7(4P)	1.66±0.02	7.10±0.10	Inside 120/0.12	Single stick 27×0.075	10.60±0.30
			Outside 72/0.12	Double-sided 30×0.05	
SYWY-75-7(4P)	1.66±0.02	7.10±0.10	Inside 120/0.12	Single stick 27×0.075	
			Outside 72/0.12	Double-sided 30×0.05	

Note

※ Single stick means single-sided self-adhesive aluminum foil; double-sided means double-sided aluminum foil.

Electrical Specifications

Items / Types	Dielectric strength of cable core 40~60Hz 1mim	Insulation resistance 500V (direct current) 20℃	Dielectric strength of sheath 40~60Hz KV(valid values)		Characteristic impedance 200M Hz	Attenuation constants	Return Loss	Shielding attenuation
	KV	MΩ•km	Water immersion	Spark	Ω	dB/100m	dB	dB
SYWV-75-5 (2P、4P)	≥1.2	≥5000	≥2.0	≥3.0	75±3.0	5 MHz≤2.0 50MHz≤4.7 200MHz≤9.0 550MHz≤15.8 800MHz≤19.0 1000MHz≤22.0	300MHz and the following ≥22 Above 300MHz≥20	5MHz≥85 50MHz≥85 200MHz≥90 550MHz≥90 800MHz≥90
SYWV(Y) -75-7 (2P、4P)	≥1.0	≥5000	≥3.0	≥5.0	75±2.5	5 MHz≤1.3 50MHz≤3.0 200MHz≤5.8 550MHz≤10.3 800MHz≤12.8 1000MHz≤14.4	300MHz and the following ≥22 Above 300MHz≥20	5MHz≥85 50MHz≥85 200MHz≥90 550MHz≥90 800MHz≥90

Note

※ The above data is only for reference. The Company reserves the right to change the relevant technical parameters in the sample.

Enterprise standard series coaxial cable

Introduction

The product is suitable for the use in wireless communication and electronic devices of similar techniques. The using temperature range is -40 ° C to 70 ° C.

Product implementing standard: **Q/321003LLD 01-2010**

Types	Inner conductor (n/mm)	Insulation outside diameter (mm)	Cable outside diameter (mm)	200MHz dB/m Nominal attenuation	Nominal characteristic impedance (Ω)	Testing voltage (KV)
SYV-75-2-1	1/0.37	1.8±0.05	3.5±0.20	0.380	75±3	1.2
SYV-75-2	7/0.08	1.5±0.10	2.8±0.20	0.380		1.2
SYV-75-2-2	1/0.37	1.8±0.05	3.8±0.20	0.380		1.2
SYV-75-3-1	1/0.48	3.0±0.13	5.0±0.20	0.280		1.5
SYV-75-3-1-A	1/0.48	3.0±0.13	5.0±0.20	0.280		1.5
SYV-75-5-2	7/0.26	4.8±0.20	7.2±0.30	0.150		1.5
SYV-75-5-2-A	7/0.26	4.8±0.20	7.2±0.30	0.150		1.5

Note 1

※ The size of a single wire of inner conductor is approximation;

Note 2

※ A means that the sheathing material is an elastomer.

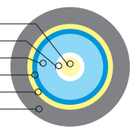
RG series solid polyethylene insulated RF coaxial cable

Introduction

This product is mainly used in coaxial optical fiber mixed network (HFT), transmitting data analog and digital signals, which can be used with different types of plug-ins in North America and for the interconnection of computer network (Ethernet). At present, RG series cables are of different types and many RG cables are difficult to find in the current effective standard. The related structural size should be subject to the needs of users, and the operating temperature range is -40 ° C to 70 ° C.

Product structure of RG Series Foaming Coaxial

1. Conductor
2. Crust
3. Foam insulation
4. Aluminum foil longitudinal wrapping
5. Shielding layer
6. Outer sheath (PVC or PE)



Product implementing standard: **MIL-C-17**

Item / Types	Inner conductor (n/mm)	Insulation outside diameter (mm)	Sheathing material	OD of finished product (mm)	1b/ft Weight	Characteristic impedance (Ω)	400MHz dB/100ft Max. attenuation	pF/ft Nominal capacitance	voltage max V (valid values)
RG-5A	1/1.29	4.6	PVC-I	7.8	0.087	50.0	6.5	30.8	3000
RG-5B	1/1.29	4.6	PVC-IIA	7.8	0.087	50.0	6.5	30.8	3000
RG-6A	1/0.724	4.7	PVC-IIA	7.8	0.082	75.0	6.5	20.6	2700
RG-9	7/0.724	7.1	PVC-I	10.1	0.140	51.0	5.9	30.2	4000
RG-9A	7/0.724	7.1	PVC-I	10.1	0.140	51.0	6.1	30.2	4000

天诚TIAN CHENG®

Item / Types	Inner conductor (n/mm)	Insulation outside diameter (mm)	Sheathing material	OD of finished product (mm)	1b/ft Weight	Characteristic impedance (Ω)	400MHz dB/100ft Max. attenuation	pF/ft Nominal capacitance	voltage max V (valid values)
RG-9B	7/0.724	7.1	PVC-IIA	10.2	0.150	50.0	6.1	30.8	5000
RG-11	7/0.404	7.2	PVC-I	10.3	0.096	75.0	5.7	20.6	4000
RG-11A	7/0.404	7.2	PVC-IIA	10.3	0.096	75.0	5.2	20.6	5000
RG-34A	7/0.724	11.7	PVC-IIA	16.0	0.224	75.0	5.3	20.6	6500
RG-58	1/0.813	2.90	PVC-I	4.95	0.029	53.5	11.7	28.8	1900
RG-58A	19/0.18	2.90	PVC-I	4.95	0.029	52.0	13.2	29.6	1900
RG-59	1/0.643	3.7	PVC-I	6.15	0.032	73.0	10.5	21.1	2300
RG-59B	1/0.584	3.7	PVC-IIA	6.15	0.032	75.0	9.0	20.6	2300
RG-122	27/0.127	2.4	PVC-IIA	4.1	0.016	50.0	18.0	30.8	1900
RG-149	7/0.404	7.2	PVC-IIA	10.0	0.105	75.0	10.0	20.6	5000
RG-174	7/0.16	1.5	PVC-I	2.5	0.008	50.0	20.0	30.8	1500
RG-212	1/1.41	4.7	PVC-IIA	7.8	0.083	50.0	6.5	29.4	3000
RG-213	7/0.752	7.2	PVC-IIA	10.2	0.099	50.0	5.5	30.8	5000
RG-216	7/0.404	7.2	PVC-IIA	10.2	0.114	75.0	5.2	20.6	5000
RG-223	1/0.89	2.9	PVC-IIA	4.8	0.034	50.0	11.7	30.8	

Note 1
※ The size of a single wire of inner conductor is approximation.

Note 2
※ PVC-I is ordinary type PVC; PVC-IIA is non-pollution type PVC.

Note 3
※ 1in=25.395mm, 1ft=0.3047m and 1b=0.454kg.

Japan standard solid polyethylene insulated RF coaxial cable

Introduction

This product is used for the wiring of wireless transmission devices and video equipment or connecting to the antenna.
And the operating temperature range is -40 ° C to 70 ° C.

Product implementing standard:
JIS C 3501-1993

Item / Types	Inner conductor (n/mm)	Insulation outside diameter (mm)	OD of finished product (mm)	Testing voltage (V)	1kHz nF/km Electrostatic capacitance	Characteristic impedance (Ω)	200MHz dB/km Nominal attenuation
0.8D-2V	1/0.26	0.8	2.0±0.4	300	102±8	50±4	700
1.5D-2V	7/0.18	1.6	2.9±0.4	300	104±5	50±2	400
2.5D-2V	1/0.8	2.7	4.3±0.5	1000	100±4	50±2	240
3D-2V	7/0.32	3.0	5.3±0.5	1000	100±4	50±2	220
5D-2V	1/1.4	4.8	7.3±0.5	1000	100±4	50±2	125
5D-2W	1/1.4	4.8	8.0±0.5	1000	100±4	50±2	125
8D-2V	7/0.8	7.8	11.0±0.5	1000	100±4	50±2	85
10D-2V	1/2.9	9.7	13.1±0.6	1000	102±4	50±2	65
1.5C-2V	1/0.26	1.6	2.9±0.4	1000	69±4	75±3	390
2.5C-2V	1/0.4	2.4	4.0±0.5	1000	69±4	75±3	250

Item / Types	Inner conductor (n/mm)	Insulation outside diameter (mm)	OD of finished product (mm)	Testing voltage (V)	1kHz nF/km Electrostatic capacitance	Characteristic impedance (Ω)	200MHz dB/km Nominal attenuation
2.5C-2VS	7/0.14	2.4	4.0±0.5	1000	69±4	75±3	280
3C-2V	1/0.5	3.1	5.4±0.5	1000	67±3	75±3	194
3C-2VS	7/0.18	3.1	5.4±0.5	1000	67±3	75±3	215
3C-2VCS	1/0.5	3.1	5.4±0.5	1000	67±3	75±3	195
3C-2W	1/0.50	3.1	6.50±0.50	1000	67±3	75±3	194
3C-2WS	7/0.18	3.2	6.60±0.50	1000	67±3	75±3	215
5C-2V	1/0.8	4.9	7.4±0.5	1000	67±3	75±3	126
5C-2VS	7/0.26	4.9	7.4±0.5	1000	67±3	75±3	150
5C-2W	1/0.8	4.9	8.3±0.5	1000	67±3	75±3	126
7C-2V	7/0.4	7.3	10.4±0.5	1000	67±3	75±3	105
10C-2C	7/0.5	9.4	13.0±0.6	1000	67±3	75±3	86

Note 1
※ The first number represents the approximate insulation outside diameter.

Note 2
※ The second letter: D means 50Ω cable; C means 75Ω cable.

Note 3
※ The third number:
2 indicates PE insulation.

Note 4
※ The fourth letter: V means 1 layer of braiding; W means 2 layers of braiding; T means three layers of braiding.

Note 5
※ The fifth letter: S shows the inner conductor is copper stranded wire.

Note 6
※ The fifth and the sixth letters: CS means the conductor is a copper- clad steel wire.

CONFERENCE SYSTEM CABLES

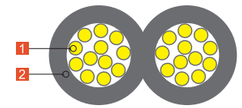
YXB speaker box wire

Introduction

The product is used for the audio cables of civilian audio equipment and other audio transmission equipment.

Product structure of YXB Type speaker box wire

1 Bunch- stranded conductor
2 PVC insulation



Product implementing standard: Q/321001LLD 02-2014

Nominal cross-section (mm^2)	Specification of conductor (n/mm)	Insulation thickness (mm)	Outline dimension (mm)	
			Minimum	Maximum
0.24	30/0.10	0.93	2.4×4.9	2.6×5.1
0.40	50/0.10	1.08	2.9×5.9	3.1×6.1
0.50	60/0.10	1.15	3.1×6.3	3.3×6.5
0.55	70/0.10	1.15	3.4×6.9	3.6×7.1
0.70	90/0.10	1.09	3.4×6.9	3.6×7.1
0.80	100/0.10	1.34	3.9×7.9	4.1×8.1
1.00	130/0.10	1.25	3.9×7.9	4.1×8.1
1.02	150/0.10	1.36	3.9×7.9	4.1×8.1
1.50	189/0.10	1.08	3.9×7.9	4.1×8.1
1.57	196/0.10	1.54	3.9×7.9	4.1×8.1
2.5	315/0.10	1.28	4.9×9.9	5.1×10.1
5.0	630/0.10	1.02	5.9×11.9	6.1×12.1

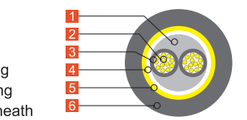
HTP microphone line

Introduction

The product is used for the audio cables of civilian audio equipment and other audio transmission equipment.

Product structure of HTP 37/0.10 microphone line

1 Cotton filling
2 Stranded conductor
3 PVC insulation
4 Cotton yarn wrapping
5 Copper wire wrapping
6 Elastomeric outer sheath



Product implementing standard: Q/321001LLD 02-2014

Cable core numbers	Specification of conductor (n/mm)	Insulation thickness (mm)	Shielding structure				Average OD (mm)
			Aluminum foil	Copper wire braiding	Copper wire wrapping	Cotton yarn winding	
2	20/0.10	0.56	Longitudinal wrap	96(112)/0.10	—	—	6.00
2	27/0.10	0.54	Longitudinal wrap	96(112)/0.10	—	—	6.00
2	37/0.10	0.50	Longitudinal wrap	96(112)/0.10	—	—	6.00
2	48/0.10	0.45	Longitudinal wrap	96(112)/0.10	—	—	6.00
3	20/0.10	0.56	Longitudinal wrap	96(112)/0.10	—	—	6.15
3	27/0.10	0.54	Longitudinal wrap	96(112)/0.10	—	—	6.05
2	37/0.10	0.50	—	—	120/0.10	60/20yarn	6.00

天诚 TIAN CHENG®

GYX engineering audio line

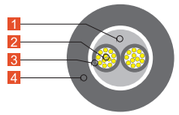
Product implementing standard: Q/321001LLD 02-2014

Introduction

The product is used for the audio cables of civilian audio equipment and other audio transmission equipment.

Structural Diagram of GYX engineering audio line

2 Filling material
2 Stranded conductor
2 PVC insulation
2 Elastomeric outer sheath



Core number ×nominal cross section (mm^2)	Specification of conductor (n/mm)	Insulation Thickness (mm)	Reference outline dimensions (mm)
2×1.0	32/0.20	0.7	8.40
2×1.5	30/0.25	0.7	8.72
2×2.0	40/0.25	0.7	9.14
2×2.5	49/0.25	0.7	9.62
2×3.0	43/0.30	0.8	10.90
2×3.5	50/0.30	0.8	11.32
2×4	56/0.30	0.9	12.08
4×1.0	32/0.20	0.7	9.68
4×1.5	30/0.25	0.7	10.47
4×2.0	40/0.25	0.7	10.98
4×2.5	49/0.25	0.7	11.56
4×3.0	43/0.30	0.8	12.62
4×3.5	50/0.30	0.8	13.33
4×4	56/0.30	0.9	14.24

HBYV, HBYY type telephone line

Introduction

The product is used for the audio cables of civilian audio equipment and other audio transmission equipment.

Product implementing standard: Q/321001LLD 10-2014

Core numbers	Specification of conductor (mm)	Insulation materials	Insulation thickness (mm)	Sheath materials	Reference outline dimensions (mm)
2	1×2×0.4	PE	0.2	PVC	1.75×2.55
2	1×2×0.5	PE	0.2	PVC	1.87×2.77
4	2×2×0.4	PE	0.2	PVC	3.05×4.2
4	2×2×0.5	PE	0.2	PVC	3.05×4.7

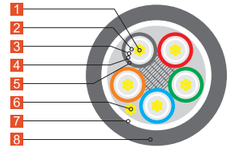
Discrete video signal data cable

Introduction

Discrete video signal data cable includes RGB75-2×5C and VGA3+4 (6). This kind of cable is designed for the discrete video, respectively using different coaxial cables to transmit red, green and blue signals. This way of image transmission is more vivid and more clearly than the composite video transmission mode, achieving the desired effects for the demonstrations of pictures, animations and computers. This product is suitable for digital TV, display devices, multimedia classrooms and projection systems.

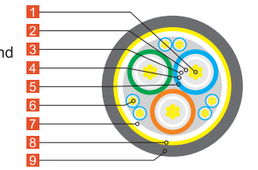
Product structure of RGB

1 Tinned stranded conductor
2 Foam insulation layer
3 Tinned wire wound
4 Aluminum foil wrapping
5 Inner sheath
6 Tinned drain wire
7 Aluminum overall shielded
8 Outer sheath



Structural diagram of VGA type cable

1 Tinned stranded conductor
2 Foam insulation layer
3 Oxygen-free copper wire wound
4 Aluminum foil wrapping
5 Inner sheath
6 Signal control lines*6 roots
7 Aluminum foil wrapping
8 Tinned wire overall shielded
9 Outer sheath



Product implementing standard: Q/321001LLD 06-2014

Main Structural Parameters

Type-specifications	Inner conductor (n/mm)	Insulation OD (mm)	Outer conductor winding (n/mm)	Aluminum-plastic composite membrane width × thickness (mm)	Approximate OD of finished products (mm)
RGB75-2×5C	7/0.13	1.55±0.05	48/0.10	10×0.05	9.10
VGA3+4(6)	7/0.13	1.55±0.05	48/0.10	8×0.35	8.80

Electrical Performance Index

Type-specifications	Dielectric strength of the cable core (KV)	Insulation resistance ⩾ (MΩ·km)	Dielectric strength of the sheath (kV)	Structural return loss (15~90MHz)	Characteristic impedance (Ω)	Attenuation constant at 20℃	
						Frequency (MHZ)	dB/100m
RGB75-2×5C	1.2	1000	2.0	22.3	75±3	50	16.5
						100	24.0
						200	32.0
VGA3+4(6)	1.2	1000	2.0	22.0	75±3	50	16.5
						100	24.0
						200	32.0

HD data connecting line

Introduction

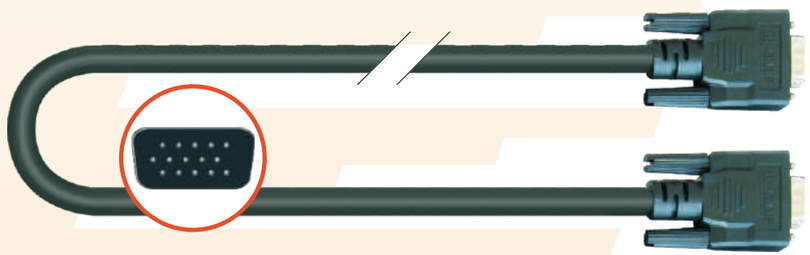
It's suitable for all kinds of D-SUB 15 pin interface of electrical and electronic equipment, such as computers, HD DVD and computer monitors, projectors, HD digital television, rear projectors, plasma TV and other electrical equipment, and used as the connecting line for the above electrical devices.

How to use

1. Insert one end of the cable into the VGA video output socket (VGA OUT) of the output device.
2. Plug the other end into VGA video input connector (VGA IN) of the input device VGA, and then lock and tighten the screw on the plug clockwise into the socket. If you want to pull it out, you should completely loose the screws on both sides of the plug counterclockwise,and then pull out the plug.

Technical parameters

1. The core wire is made of tinned oxygen-free copper, with strong antioxidant ability and long service life, effectively reducing the attenuation value and guaranteeing the display effect.
2. Single signal core wire insulation is made from high density FMPE insulation foaming material, effectively enhancing the speed of signal transmission, reducing the attenuation in signal transmission and avoiding the instability to the high-frequency signal caused by the high attenuation value.
3. Using shielding aluminum foil and high density tinned copper braiding shield, effectively isolates the electromagnetic interference.
4. Signal transmission by three coaxial (red, blue, green) primary colors.
5. 90 degrees of high temperature resistant coating, wear -resistance, and high-fidelity design.
6. D-SUB HDB15PIN standard plug / contact terminal is designed with high purity electrolytic copper / double anti -interference magnetic ring.
7. The plug pin is a solid needle and the plug jack is made into two pieces of inner arc type, ensuring good contact performance and stiffness of the pin after repetitive data interface plug.
8. The wire is made of anti-interference double magnetic ferrite material (Mn-Zn), with exquisite manufacturing technology, strong anti-interference capability, low signal attenuation coefficient and favorable effect, effectively reducing the magnetic field crosstalk from external environment and ensuring its best definition video effects in different working conditions.



Performance indicators

Support hot plug-in and automatic detection and configuration of the equipment is possible.	
Max. transmission rate of data	1Gbps
Heat-resistant	90℃
Rated voltage	DC50V
Rated current	0.3A-2A
Withstand voltage	AC800V/5 seconds
Insulation resistance	50MΩ/DC250V
Operating temperature	-10℃-+80℃
Contact resistance	<30mohm

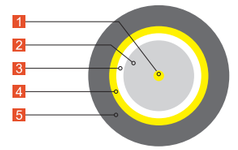
3G-SDI ultra high-definition digital cable

Introduction

3G-SDI cable is used in serial digital interface (SDI) device with ultra high-definition digital input and output, which can provide the transmission rate of 2.97 GB/s and retain all the details of the data signal. This kind of cable has high fidelity (Hi Fi) design, superb manufacturing process, low signal attenuation coefficient, strong anti-interference ability and good transmission effect. And the uncompressed ultra high-definition digital signal will greatly improve the visual and auditory audio effect.

Product structure

1. Inner conductor
2. Foam insulation layer
3. Aluminum foil shielded
4. Tinned wire overall shielded
5. Outer sheath



Technical parameters

Core specifications	1/1.02mm high-purity oxygen-free copper wire
Shield	125% covering foil and high-density tinned wire shielding layer
Wire diameter	7.0mm±0.2mm
Coat	Environmental protection PVC
Interface	BNC，gold-plated terminals, nickel-plated shell
Resolution	1920×1200@60Hz；compatible with VGA，SVGA，XGA，SXGA，UXGA，WUXGA
High-definition standard	1080P，compatible with 480i，480P，720P，1080i，1080P
Color	1 billion colors

Performance index

Characteristic impedance	(Differential impedance) 75±3Ω(TDR)
Propagation delay	Intra-pair Skew is below 151psec, Inter-pair Skew is below 2.42 ns
Transmission distance	The most distant support: 100 m
Contact resistance	5Ω MAX
Insulation resistance	5mΩ MIN
Data security	Transmission is not affected by electromagnetic interference.
Bandwidth	10.2Gbps(340MHz)

Attenuation

Frequency (MHz)	Attenuation value (dB Max)
1MHz	1.0
5 MHz	1.8
10 MHz	2.3
20 MHz	3.3
50 MHz	5.0
71 MHz	5.2
100 MHz	6.2
135 MHz	6.9
180 MHz	8.5
200 MHz	9.2
270 MHz	9.8
400 MHz	12.5
750 MHz	16.4
1000 MHz	19.4
3000 MHZ	35.1

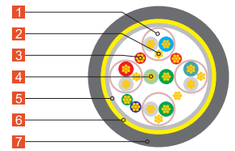
HDMI high-definition multimedia cable

Scope of application

1. Digital TV
2. Plasma display
3. Liquid crystal display
4. STB (set-top box)
5. DVD player / Language repeater
6. Audio / video receiving device
7. VHS/Video Home System
8. High definition display
9. Satellite system

Product structure

1. Twisted pair wire A(4 pairs)
2. Ground wire
3. 5 roots
4. Twisted pair wire group (1 pair)
5. Aluminum foil wrapping
6. Braided shield
7. Outer sheathed layer



Main features

1. A HDMI cable can simultaneously transmit video and audio signals without the connection of more wires.
2. Achieving a higher quality of audio and video transmission
3. 100% digital transmission.
4. No compression, no need to convert.
5. The best quality of sound and image.
6. Providing broadband for HDTV.
7. Supporting 1080 p and higher resolution.
8. Supporting function of 3D.
9. Supporting sound return function.
10. Supporting the connection of multiple HD equipment.

Performance indicators

Rated temperature	80℃
Rated voltage	30V
Differential impedance (20℃)	100±10Ω
Delay	≤5ns/m
Propagation delay skew	112ps
Intra- group	≤112ps
Inter- groups	≤1.78ns
Far-end crosstalk	≤-20Db@1-5100MHz

Attenuation	
Frequency (MHZ)	**Attenuation value (dB Max)**
0-825	5
825-2475	12
2475-4125	20
4125-5100	25

Specifications of HDMI in the company are 28AWG and 24AWG as follows

4P*28#+1P*28#+5C*28#+	AL+B	HDMI	OD:7.3mm
4P*24#+1P*24#+5C*24#+	AL+B	HDMI	OD:10.7mm

Elevator cables

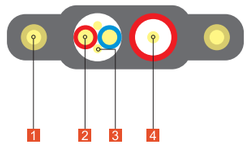
Special cable for elevator monitoring

Introduction

Special cable for elevator monitoring is suitable for the video transmission and signal control of elevator monitoring system,and it is made of imported tensile material and outer protected with special soft material for elevators, being flexible and having excellent anti-jamming ability.

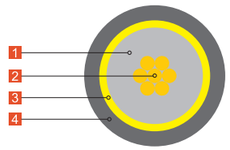
Product structure of TSTSZ-4-G3

1. Renforced steel wire
2. Power wire
3. Cortrol line
4. Video ine (Conductor copper、Copper clad steel)



Product structure of TZS-4-G 1

1. Stranded conductor
2. Polyethy lene insulation
3. Shielding layer
4. Sheath



Installation instructions

1. Elevator cables should be freely hanging, untwisting before the installation.
2. The suspension strengthening core in the cable after stripping should be fixed and bear tension at the same time.
3. The suspension strengthening core should keep symmetrical and consistent tension, and the deviation between tension and average value should not be greater than 5%.
4. After the elevator car compresses the buffer, the cable shall not contact with the pit floor and the car bottom border.
5. Trailing cables should have no knotting and wavy distortions.
6. Supporting sound return function.
7. Interfaces of video and power can't be faulty soldering and sealing-off, but should be fixed firmly.

Main advantages

1. **More complete functions.** This product breaks the drawback of previous single function, integrating video, control and audio.
2. **Humanized design.** The integrated production shortens the installation time, reduces the installation cost, and overcomes the phenomenon of products easily broken in the process of installation.
3. **Long transmission distance.** The professional selection of conductor, insulation and shielding fully guarantees the transmission distance of elevator cables.
4. **Long suspension length.** The company fully considers the suspended length in designing the structure of products, overcoming the imperfection of short suspension length of general elevator cables, more suitable for the use of high-rise buildings.
5. **Fast moving speed.** The reasonable structure, greater strength and high flexibility make this kind of cable more suitable for running at high speed, improving the work efficiency.

Main structural parameters

Serial number	Performance parameters	TSTSZ-4-G3 type		TSTSZ-4-G1 type
		Copper	Copper- clad steel	
1	Approximate size of cable(mm)	7.2×21.6	7.2×21.6	7.0
2	Environmental temperature	-40℃~+70℃		
3	Approximate weight of cable(kg/km)	204	200	63
4	Transmission distance(≤m)	100	300	300
5	200MHz attenuation(≤dB/m)	0.25	0.19	0.19
6	Pressure of the finished(V/min)	1500/5	1500/5	1500/5
7	Movement speed(≤m/s)	5	8	8
8	Free hanging length(≤m)	150	300	300
9	Bending test	200000 times success		

Low smoke halogen-free and fire-resistant series wires and cables

Low smoke halogen-free and fire-resistant series wires and cables

Introduction

This product is used for laying in a system of fire protection requirement. This kind of cables can prevent the spread of the fire and produce no harmful gases.

Product category code

1. Low smoke zero halogen—WDZ.
2. Fire-resistant—NH.
3. Low smoke halogen-free and fire-resistant—WDZNH.

Size range

1. All the cables can be made into low smoke halogen-free type.

Examples

1. f RVVP is made into low smoke zero halogen type, its type is WDZ – RYYP.
2. If SYV is made into low smoke zero halogen type, its type is WDZ- SYY.
3. If KVV22 is made into low smoke zero halogen and fire-resistant type, its type is WDZNH-KYY22.

Code of low smoke zero halogen material

1. Code of low smoke zero halogen material—Y.

Special properties of the product

1. The result of the group burning test of finished cables can meet the provisions of GB /T18380.34 and is not less than B kind.
2. After burning of low smoke zero halogen cables, the pH value should be≧4.3 and conductivity should be ≦10us/min.
3. Low smoke zero halogen cables should take the test of HCL release, and its content should be ≦100mg/g.
4. Low smoke zero halogen cables should take the test of smoke density and its light transmittance should be≧ 60%.
5. Fire-resistant cables should take the energized burning test, and the combustion temperature is (750 to 800) ° C, no short -circuit within 90min.

Composite cable

Composite cable

Introduction

Integrated cable is the combination of different types of cables, which can not only connect the power, but also transmit audio and video signals. With its compact structure and convenient application, this cable can meet users' needs in different occasions, commonly used in monitoring systems of buildings, important circumstances and neighborhoods, etc. The product is various, less repetitive and of different purposes, which is usually made according to the users' demands and cannot be named uniformly. Part of the cable specifications are shown as follows, for reference for customizing a variety of types of composite cables.

Serial number	Types	Structure forms
1	K24+V	SYV75-5-41（1 root）+RVVP4×0.5mm²（1 root）+RV0.5mm²（20 roots）
2	5912 talkback district networking line	SYV75-3-1（1 root with no outer sheath）+RV0.5mm²（7x roots）
3	5925	SYV75-3-41（1 root）+RV0.3mm²（8 roots）
4	5926 talkback district main line	SYV75-3-1（1 root）+RV0.5mm²（5 roots）+RV 0.75mm²（2 roots）
5	SSYV75-5-5	SYV75-5-2（5 roots）Stranded extrusion sheath
6	Parallel composite line	SYV75-3-41（1 root）+RVP2.0mm²（2 roots）
7	Six pairs of audio cable	Six pairs of audio cable stranded extrusion sheath
8	Integrated cable	SYV75-2（1 root）+RV0.12mm²（16 roots）+RV0.3mm²（2 roots）
9	Integrated cable	SYV75-2（1 root）+RV0.5mm²（6 roots）+RV0.75mm²（3 roots）
10	Integrated cable	RVVP2×0.5mm 2（4 roots）+RVVP4×0.5mm²（1 root）+RV1mm²（2 roots）
11	Floating cable	SYV75-3-41（1 root）+RV0.5 mm²（8 roots）+twisted cable（2 roots）

Photovoltaic cables

PV1-F 1 x 1.5/2.5 mm²

Main Features

1. Application temperature is -40° C to 125° C, and max. conductor temperature is 125° C.
2. The permitted short-circuit-temperature according to the 5s duration is 250° C.
3. This product can well resist UV, ozone and other compounds.
4. Excellent mechanical structural intensity effectively resists the corrosion from rainwater, oil and chemicals.
5. It is approved by German TÜV, Certificate No: R 50197427 001.

Main Technical Specification

Specification & type	PV1-F 1 x 1.5mm²	PV1-F 1 x 2.5mm²
Rated Voltage	AC 0.6/1 kV;DC 1.8kV	AC 0.6/1 kV;DC 1.8kV
Product standard	TÜV 2 PfG 1169/08.07	TÜV 2 PfG 1169/08.07
Nominal Cross-sectional Area(mm²)	1.5mm²	2.5mm²
Rated Current	30A	41A
Reference cable OD (mm)	4.8mm	5.4mm
Service life	⩾25 Years	⩾25 Years

Note 1

※ Insulation color of this product is white and sheath color is black. Also, photovoltaic cables and cables for multi-cores photovoltaic system of other colors can be customized depending on customers' demands.

PV1-F 1 x 4.0 mm²

Main Features

1. Application temperature is -40° C to 125° C,and max. conductor temperature is 125° C.
2. The permitted short-circuit-temperature according to the 5s duration is 250 C.
3. This product can well resist UV, ozone and other compounds.
4. Excellent mechanical structural intensity effectively resists the corrosion from rainwater, oil and chemicals.
5. It is approved by German TÜV, Certificate No: R 50197427 001.

Main Technical Specification

Specification & type	PV1-F 1 x 4.0mm²
Rated Voltage	AC 0.6/1 kV;DC 1.8kV
Product standard	TÜV 2 PfG 1169/08.07
Nominal Cross-sectional Area(mm²)	4.0mm²
Rated Current	55A
Reference cable OD (mm)	6.3mm
Service life	⩾25 Years

Note 1

※ Insulation color of this product is white and sheath color is black. Also, photovoltaic cables and cables for multi-cores photovoltaic system of other colors can be customized depending on customers' demands.

PV1-F 1 x 6.0 mm²

Main Features

1. Application temperature is -40° C to 125° C,and max. conductor temperature is 125° C.
2. The permitted short-circuit-temperature according to the 5s duration is 250 C.
3. This product can well resist UV, ozone and other compounds.
4. Excellent mechanical structural intensity effectively resists the corrosion from rainwater, oil and chemicals.
5. It is approved by German TÜV, Certificate No: R 50197427 001.

Main Technical Specification

Specification & type	PV1-F 1 x 6.0mm²
Rated Voltage	AC 0.6/1 kV;DC 1.8kV
Product standard	TÜV 2 PfG 1169/08.07
Nominal Cross-sectional Area(mm²)	6.0mm²
Rated Current	70A
Reference cable OD (mm)	7.0mm
Service life	⩾25 Years

Note 1

※ Insulation color of this product is white and sheath color is black. Also, photovoltaic cables and cables for multi-cores photovoltaic system of other colors can be customized depending on customers' demands.

PV1-F 1 x 10 mm²

Main Features

1. Application temperature is -40° C to 125° C,and max. conductor temperature is 125° C.
2. The permitted short-circuit-temperature according to the 5s duration is 250 C.
3. This product can well resist UV, ozone and other compounds.
4. Excellent mechanical structural intensity effectively resists the corrosion from rainwater, oil and chemicals.
5. It is approved by German TÜV, Certificate No: R 50197427 001.

Main Technical Specification

Specification & type	PV1-F 1 x 10mm²
Rated Voltage	AC 0.6/1 kV;DC 1.8kV
Product standard	TÜV 2 PfG 1169/08.07
Nominal Cross-sectional Area(mm²)	10.0mm²
Rated Current	98A
Reference cable OD (mm)	8.6mm
Service life	⩾25 Years

Note 1

※ Insulation color of this product is white and sheath color is black. Also, photovoltaic cables and cables for multi-cores photovoltaic system of other colors can be customized depending on customers' demands.

PV1-F 1 x 16 mm²

Main Features

1. Application temperature is -40° C to 125° C,and max. conductor temperature is 125° C.
2. The permitted short-circuit-temperature according to the 5s duration is 250 C.
3. This product can well resist UV, ozone and other compounds.
4. Excellent mechanical structural intensity effectively resists the corrosion from rainwater, oil and chemicals.
5. It is approved by German TÜV, Certificate No: R 50197427 001.

Main Technical Specification

Specification & type	PV1-F 1 x 16mm²
Rated Voltage	AC 0.6/1 kV;DC 1.8kV
Product standard	TÜV 2 PfG 1169/08.07
Nominal Cross-sectional Area(mm²)	16.0mm²
Rated Current	132A
Reference cable OD (mm)	10.2mm
Service life	⩾25 Years

Note 1

※ Insulation color of this product is white and sheath color is black. Also, photovoltaic cables and cables for multi-cores photovoltaic system of other colors can be customized depending on customers' demands.

PV1-F 1 x 25 mm²

Main Features

1. Application temperature is -40° C to 125° C,and max. conductor temperature is 125° C.
2. The permitted short-circuit-temperature according to the 5s duration is 250 C.
3. This product can well resist UV, ozone and other compounds.
4. Excellent mechanical structural intensity effectively resists the corrosion from rainwater, oil and chemicals.
5. It is approved by German TÜV, Certificate No: R 50197427 001.

Main Technical Specification

Specification & type	PV1-F 1 x 25mm²
Rated Voltage	AC 0.6/1 kV;DC 1.8kV
Product standard	TÜV 2 PfG 1169/08.07
Nominal Cross-sectional Area(mm²)	25.0mm²
Rated Current	176A
Reference cable OD (mm)	12.2mm
Service life	⩾25 Years

Note 1

※ Insulation color of this product is white and sheath color is black. Also, photovoltaic cables and cables for multi-cores photovoltaic system of other colors can be customized depending on customers' demands.

PV1-F 1 x 35 mm²

Main Features

1. Application temperature is -40° C to 125° C,and max. conductor temperature is 125° C.
2. The permitted short-circuit-temperature according to the 5s duration is 250 C.
3. This product can well resist UV, ozone and other compounds.
4. Excellent mechanical structural intensity effectively resists the corrosion from rainwater, oil and chemicals.
5. It is approved by German TÜV, Certificate No: R 50197427 001.

Main Technical Specification

Specification & type	PV1-F 1 x 35mm²
Rated Voltage	AC 0.6/1 kV;DC 1.8kV
Product standard	TÜV 2 PfG 1169/08.07
Nominal Cross-sectional Area(mm²)	35.0mm²
Rated Current	218A
Reference cable OD (mm)	14.1mm
Service life	⩾25 Years

Note 1

※ Insulation color of this product is white and sheath color is black. Also, photovoltaic cables and cables for multi-cores photovoltaic system of other colors can be customized depending on customers' demands.