



HEBEI HUIKE
CABLE CO., LTD.

PRODUCT CATALOGUE

CONTROL CABLE

Reliable solutions for control and instrumentation



Company Profile

Hebei Huike Cable Co., Ltd. was established in September 2020 in Xinxing Industrial Park, Lutai Economic Development Zone, Tangshan, Hebei. The company specializes in the research, production, sales and service of electrical wires and cables.

Established	Site area	Production equipment	Testing equipment
2020	32,000 m ²	80+ sets	50+ sets

The product portfolio includes power cables, control cables, overhead insulated cables, computer cables, solar cables, aluminium-alloy cables and building wires. Quality control is applied from incoming materials through production and final inspection.

Catalogue Contents

- Control cable construction descriptions
- Complete technical data tables
- Core size, overall diameter and reference mass

Control Cable Range

Construction	Complete English product name
Unshielded	Plastic-insulated and sheathed control cable
Braided shield	Copper-wire braided-shield control cable
Copper tape shield	Copper-tape-shield control cable
Steel tape armoured	Steel-tape-armoured control cable
Steel wire armoured	Steel-wire-armoured control cable
High temperature	Fluoroplastic-insulated high-temperature control cable
Fire-resistant	Fire-resistant control cable
Low-smoke zero-halogen	Low-smoke zero-halogen control cable

General Operating Data

Item	Catalogue value
Rated voltage	450/750 V AC
Routine dielectric test	3.0 kV for 5 minutes
Common conductor temperature classes	70 °C, 90 °C, 105 °C, 200 °C and 260 °C, according to the selected material system
Conductor sizes	0.2-6 mm ² , depending on cable family and core count

Control Cable Product Introduction

These control cables are intended for control, monitoring and protective circuits with rated AC voltage up to and including 450/750 V. Polyvinyl chloride insulated and sheathed constructions are general-purpose products and can be adapted to different installation conditions. Silicone-rubber insulated cables provide high-temperature, ageing and radiation resistance with good flexibility. Fluoroplastic insulated and sheathed cables are suitable for high- and low-temperature service and provide resistance to oil, water, wear, acids, alkalis and many chemical reagents. They are used for instrument connections and automatic-control transmission in chemical, petroleum, power, metallurgical and other industrial installations.

Operating Characteristics

- Rated AC voltage: 450/750 V.
- Permitted continuous conductor temperature: 70 °C or 105 °C for polyvinyl chloride systems; 70 °C for polyethylene systems; 90 °C for cross-linked polyethylene or ethylene propylene rubber; 70 °C, 90 °C or 125 °C for low-smoke zero-halogen polyolefin systems; and 200 °C for fluoroplastic or silicone-rubber systems.
- Minimum ambient temperature: fixed laying down to -40 °C for polyvinyl chloride systems and -60 °C for fluoroplastic or silicone-rubber systems; non-fixed laying down to -15 °C and -20 °C respectively.
- Minimum installation temperature: 0 °C for polyvinyl chloride sheathed cable and -25 °C for fluoroplastic or silicone-rubber cable; preheating is required below these values.
- Recommended minimum bending radius: 6 times the cable diameter for silicone-rubber cable; 8 times for non-armoured, interlocked-armoured, braided-armoured or fluoroplastic cable; and 12 times for copper-tape screened or steel-wire/steel-tape wrapped armoured cable.
- Technical data includes conductor resistance, insulation resistance, test voltage, core count, conductor construction, overall diameter and reference weight.

Complete Product Names and Main Applications

Complete English product name	Main application
Copper conductor, polyvinyl chloride or cross-linked polyethylene insulated and polyvinyl chloride sheathed control cable	Fixed indoor, cable trench, duct and conduit installation
Copper conductor, polyvinyl chloride or cross-linked polyethylene insulated and sheathed, copper-wire braided-shield control cable	Fixed locations requiring screening
Copper conductor, polyvinyl chloride or cross-linked polyethylene insulated and sheathed, copper-tape-shield control cable	Fixed locations requiring screening
Copper conductor, polyvinyl chloride or cross-linked polyethylene insulated and sheathed, steel-tape armoured control cable	Indoor, conduit and direct-buried fixed installation subject to mechanical force
Copper conductor, polyvinyl chloride or cross-linked polyethylene insulated and sheathed flexible control cable	Indoor movable applications requiring flexibility

Complete English product name	Main application
Copper conductor, polyvinyl chloride or cross-linked polyethylene insulated and sheathed, copper-wire braided-shield flexible control cable	Indoor movable applications requiring flexibility and screening
Copper conductor, silicone-rubber insulated and sheathed control cable	High-temperature, ageing-resistant and flexible control circuits
Copper conductor, silicone-rubber insulated and sheathed, tinned-copper-wire braided-shield control cable	High-temperature control circuits requiring screening
Copper conductor, ethylene propylene rubber insulated and chloroprene-rubber sheathed control cable	Flexible industrial control applications
Copper conductor, ethylene propylene rubber insulated and chloroprene-rubber sheathed, tinned-copper braided-shield control cable	Flexible industrial control applications requiring screening
Copper conductor, ethylene propylene rubber insulated and nitrile-rubber sheathed control cable	Oil-resistant flexible industrial control applications
Copper conductor, ethylene propylene rubber insulated and nitrile-rubber sheathed, tinned-copper braided-shield control cable	Oil-resistant flexible control applications requiring screening
Copper conductor, fluoroplastic insulated and sheathed control cable	High- and low-temperature industrial control circuits
Copper conductor, fluoroplastic insulated and sheathed flexible control cable	Movable high-temperature control circuits
Copper conductor, fluoroplastic insulated and sheathed, tinned-copper-wire braided-shield control cable	High-temperature circuits requiring screening
Copper conductor, fluoroplastic insulated and sheathed, tinned-copper-wire braided-shield flexible control cable	Movable high-temperature circuits requiring screening
Copper conductor, fluoroplastic insulated and sheathed, copper-tape-shield control cable	High-temperature fixed circuits requiring tape screening
Copper conductor, fluoroplastic insulated and sheathed, copper-tape-shield flexible control cable	Flexible high-temperature circuits requiring tape screening
Copper conductor, fluoroplastic insulated and polyvinyl chloride sheathed control cable	Industrial control circuits requiring fluoroplastic insulation
Copper conductor, fluoroplastic insulated and polyvinyl chloride sheathed flexible control cable	Movable circuits requiring fluoroplastic insulation
Copper conductor, fluoroplastic insulated and polyvinyl chloride sheathed, copper-wire braided-shield control cable	Screened circuits requiring fluoroplastic insulation
Copper conductor, fluoroplastic insulated and polyvinyl chloride sheathed, copper-wire braided-shield flexible control cable	Movable screened circuits requiring fluoroplastic insulation
Copper conductor, cross-linked polyethylene insulated, low-smoke zero-halogen polyolefin sheathed, flame-retardant control cable	Low-smoke zero-halogen fixed control circuits
Copper conductor, cross-linked polyethylene insulated, low-smoke zero-halogen polyolefin sheathed, flame-retardant flexible control cable	Low-smoke zero-halogen movable control circuits
Copper conductor, cross-linked polyethylene insulated, low-smoke zero-halogen polyolefin sheathed, copper-wire braided-shield flame-retardant control cable	Low-smoke zero-halogen fixed circuits requiring screening
Copper conductor, cross-linked polyethylene insulated, low-smoke zero-halogen polyolefin sheathed, copper-wire braided-shield flame-retardant flexible control cable	Low-smoke zero-halogen movable circuits requiring screening
Copper conductor, cross-linked polyethylene insulated, low-smoke zero-halogen polyolefin sheathed, copper-tape-shield flame-retardant control cable	Low-smoke zero-halogen fixed circuits requiring tape screening
Copper conductor, cross-linked polyethylene insulated, low-smoke zero-halogen polyolefin sheathed, steel-tape armoured flame-retardant control cable	Low-smoke zero-halogen fixed circuits subject to mechanical force

Fire-Resistant Control Cables

These cables are designed to avoid short-circuit or open-circuit failure for a defined period under direct flame exposure. They support emergency lighting, fire-protection equipment, life-safety lifts and other control systems in locations where fire risk is high and circuit continuity is important.

- Rated AC voltage: 450/750 V.
- Continuous operating temperature depends on the insulation and sheath system: 70 °C or 105 °C for flame-retardant polyvinyl chloride, 90 °C for cross-linked polyethylene, 200 °C or 260 °C for fluoroplastic, 200 °C for silicone rubber, and 70 °C, 90 °C or 125 °C for low-smoke zero-halogen polyolefin systems.
- Minimum ambient and installation temperatures, bending-radius requirements and material-specific limits are retained in the operating data above.
- Fire-resistance test conditions and electrical performance values are listed in the technical tables.

Complete English product name
Copper conductor, flame-retardant polyvinyl chloride insulated and sheathed fire-resistant control cable
Copper conductor, flame-retardant polyvinyl chloride insulated and sheathed fire-resistant flexible control cable
Copper conductor, flame-retardant polyvinyl chloride insulated and sheathed, copper-wire braided-shield fire-resistant control cable
Copper conductor, flame-retardant polyvinyl chloride insulated and sheathed, copper-wire braided-shield fire-resistant flexible control cable
Copper conductor, fluoroplastic insulated and sheathed fire-resistant control cable
Copper conductor, fluoroplastic insulated and sheathed fire-resistant flexible control cable
Copper conductor, fluoroplastic insulated and sheathed, copper-wire braided-shield fire-resistant control cable
Copper conductor, fluoroplastic insulated and sheathed, copper-tape-shield fire-resistant control cable
Copper conductor, fluoroplastic insulated and polyvinyl chloride sheathed fire-resistant control cable
Copper conductor, fluoroplastic insulated and polyvinyl chloride sheathed, copper-wire braided-shield fire-resistant flexible control cable
Copper conductor, flame-retardant silicone-rubber insulated and sheathed fire-resistant control cable
Copper conductor, flame-retardant silicone-rubber insulated and sheathed, copper-wire braided-shield fire-resistant control cable
Copper conductor, cross-linked polyethylene insulated, low-smoke zero-halogen flame-retardant polyolefin sheathed fire-resistant control cable
Copper conductor, cross-linked polyethylene insulated, low-smoke zero-halogen flame-retardant polyolefin sheathed, copper-wire braided-shield fire-resistant control cable
Copper conductor, cross-linked polyethylene insulated, low-smoke zero-halogen flame-retardant polyolefin sheathed, copper-tape-shield fire-resistant control cable

Complete Technical Data Tables

Technical data covers dimensions, reference weights, electrical resistance, current-carrying capacity, core combinations, installation factors and operating-temperature values.

Control Cable Main Technical Parameters

Item	Unit								Technical Index								
		Cross-section, mm²		0.5m m			0.75mm				1.5 mm		4.0 mm				6.0 mm
20°C DL resistance	Ω/km	Plating		Un tinne d	Ti	Un ction tinned	Ti Cable cons	Un ction tinned	Ti Cable cons	Un utinned	Ti	Un Cableconstihfnd	Ti	Un		Un	Ti
of conductor at20 °C≤		A or B class		36.0	36. 7	24.5	24.7	18.4	18.2	12.1	12. 2	7.41	7.5 6	4.6 1	4.7	3.0 8	3.1 1
				39.0	40. 1	26.0	26.7	19.5	20.0	13.3	13. 7	7.98	8.2 1				
		polyvinyl chloride polyvinyl chloride					0.012		0.011		0.0 11		0.0 1				0.0 070
Insulation resistanc at the	MQ.km	silic uo rubb er	B,R				0.011		0.010		0.0 10		0.0 09				0.0 065
operatmg tempera ture>		PE,ethylene propylene rubber									1.0						
Test voltage	k V/ 5min								3.0								
Flame retardant properly										Flame-retardant performance							

Polyvinyl Chloride and Cross-Linked Polyethylene Control Cable Technical Data

Cores × nominal cross-section	Cable constuctic Cable construcion	Conductor structure (number/diameter of wires), mm			Maximum outer diameter, mm				Reference weight, kg/km	
Cross-section, mm²	A	B	Cable constructon shield	Braided shield	Copper-tape shield	steel tape armour	Unshielded	Braided shield	Copper-tape shield	steel tape armour
2×0.75 2×1.0 2×1.5 2×2.5 2 ×4.0 2×6.0	1/0.97 1/1.13 1/1.38 1/1.78 1/2.25 1/2.76	7/0.37 7/0.43 7/0.52 7/0.68 7/0.85 7/1.04	7.8 8.0 9.2 10.6 11.6 12.8	9.0 9.6 10.8 11.6 13.4 14.8	10.5 11.2 12.2 13.2 14.8 16.4	11.2 11.9 12.9 13.8 15.6 17.2	75 80 011 155 190 240	115 125 160 200 345 350	140 150 185 235 405 410	205 215 250 295 435 440
3×0.75 3×1.0 3×1.5 3×2.5 3×4.0 3×6.0	1/0.97 1/1.13 1/1.38 1/1.78 1/2.25 1/2.76	7/0.37 7/0.43 7/0.52 7/0.68 7/0.85 7/1.04	8.2 8.4 9.8 11.0 12.4 4.0	9.6 9.8 11.2 12.4 14.4 15.6	11.2 11.4 12.6 13.8 15.8 17.4	11.8 12.0 13.2 14.6 16.6 18.0	06 100 125 185 235 330	130 143 175 240 345 470	145 160 210 290 405 550	220 235 267 330 440 580
4×0.75 4×1.0 4×1.5 4×2.5 4×4.0 4×6.0	1/0.97 1/1.13 1/1.38 1/1.78 1/2.25 1/2.76	7/0.37 7/0.43 7/0.52 7/0.68 7/0.85 7/1.04	8.8 9.2 10.6 12.0 14.0 15.2	10.2 10.8 9*11 14.2 15.4 16.8	12.0 12.4 13.4 15.6 16.8 17.8	12.7 13.2 14.2 16.4 17.6 18.8	105 120 155 225 315 415	155 160 205 340 435 530	185 198 235 376 495 600	245 255 300 415 505 620
5×0.75 5×1.0 5×1.5 5×2.5 5×4.0 5×6.0	1/0.97 1/1.13 1/1.38 1/1.78 1/2.25 1/2.76	7/0.37 7/0.43 7/0.52 7/0.68 7/0.85 7/1.04	9.6 9.8 11.6 13.8 15.4 16.8	10.8 11.2 12.6 15.4 16.6 18.2	12.8 13.0 14.8 16.6 17.8 19.0	13.6 13.8 15.4 17.4 18.6 20.6	120 140 190 290 385 505	165 195 250 390 502 625	195 235 300 450 560 710	255 275 345 470 585 735
7×0.75 7×1.0 7 ×1.5 7×2.5 7 ×4.0 7×6.0	1/0.97 1/1.13 1/1.38 1/1.78 1/2.25 1/2.76	7/0.37 7/0.43 7/0.52 7/0.68 7/0.85 7/1.04	10.2 10.8 12.8 6.6 18.2	11.6 12.2 14.0 16.4 17.6 19.6	13.4 13.8 15.8 17.6 19.0 20.6	13.8 14.4 15.8 18.4 19.8 21.0	145 170 225 355 478 655	200 220 330 475 600 790	245 260 375 520 680 895	315 355 425 555 700 920
8×0.75 8×1.0 8×1.5 8×2.5 8×4.0 8×6.0	1/0.97 1/1.13 1/1.38 1/1.78 1/2.25 1/2.76	7/0.37 7/0.43 7/0.52 7/0.68 7/0.85 7/1.04	11.0 11.6 14.4 16.0 18.0 20.4	12.6 13.8 15.8 17.8 20.2 22.0	13.8 14.6 16.4 18.8 20.8 22.4	14.8 15.4 16.8 19.2 21.2 23.0	165 195 275 405 545 745	215 245 385 525 680 900	255 285 445 600 760 1000	345 380 465 615 790 1030
10×0.75 10×1.0 10×1.5 10×2.5 10×4.0 10×6.0	1/0.97 1/1.13 1/1.38 1/1.78 1/2.25 1/2.76	7/0.37 7/0.43 7/0.52 7/0.68 7/0.85 7/1.04	12.8 13.9 15.9 18.4 21.4 23.6	14.8 15.4 17.4 19.8 22.4 24.2	16.0 16.8 18.6 21.2 23.3 25.3	16.8 17.4 19.0 22.0 23.8 26.0	205 255 340 500 720 955	300 370 455 635 865 1110	340 440 520 725 940 1205	350 450 555 755 975 1245
12×0.75 12×1.0 12×1.5 12×2.5 12×4.0 12×6.0	1/0.97 1/1.13 1/1.38 1/1.78 2.25 1/2.76	7/0.37 7/0.43 7/0.52 7/0.68 7/0.85 7/1.04	13.6 14.4 16.4 19.2 22.2	15.0 15.8 17.8 21.0 23.2 25.6	16.6 17.0 19.0 21.8 24.0 26.0	17.2 17.6 19.6 22.4 24.4 26.6	240 290 385 575 825 1100	345 370 500 705 970 1275	395 470 595 815 1095 1405	360 485 610 830 1110 1420

Polyvinyl Chloride and Cross-Linked Polyethylene Control Cable Technical Data - Continued

14×0.75 14×1.0 14×1.5 14×2.5 14×4.0 14×6.0	1/0.97 1/1.13 1/1.38 1/1.78 1/2.25 1/2.76	7/0.37 7/0.43 7/0.52 7/0.68 7/0.85 7/1.04	14.2 15.0 17.0 20.0 23.2 35.6	15.8 16.4 18.6 22.0 24.4 27.0	17.0 17.8 19.6 22.6 25.0 27.0	18.0 18.6 20.6 23.8 26.0 28.2	285 320 432 670 915 1200	395 445 550 800 1045 1305	450 520 670 900 1150 1435	465 530 685 915 1160 1450
16×0.75 16×1.0 16×1.5 16×2.5	1/0.97 1/1.13 1/1.38 1/1.78	7/0.37 7/0.43 7/0.52 7/0.68	15.0 15.6 18.0 21.8	16.4 17.2 19.6 22.6	17.6 18.6 20.5 23.8	18.6 19.4 21.0 24.8	310 360 485 775	425 470 595 880	480 560 730 985	495 575 745 1005
19×0.75 19×1.0 19×1.5 19×2.5	1/0.97 1/1.13 1/1.38 1/1.78	7/0.37 7/0.43 7/0.52 7/0.68	15.8 16.4 18.8 22.8	16.8 17.8 21.0 24.0	18.4 19.0 21.6 24.8	19.0 19.6 22.4 25.6	345 410 535 1055	455 630 805 1105	530 630 805 1105	515 645 825 1120
24×0.75 24×1.0 24×1.5 24×2.5	1/0.97 1/1.13 1/1.38 1/1.78	7/0.37 7/0.43 7/0.52 7/0.68	18.2 19.0 22.6 26.6	19.0 20.6 24.0 28.0	19.0 21.6 24.0 28.0	21.0 22.6 25.0 29.0	400 510 745 1110	475 760 985 1260	475 760 985 1360	640 775 001 1375
27×0.75 27×1.0 27×1.5 27×2.5	1/0.97 1/1.13 1/1.38 1/1.78	7/0.37 7/0.43 7/0.52 7/0.68	18.6 19.4 23.0 27.0	19.6 21.0 24.6 29.0	20.0 21.5 25.6 30.0	21.6 22.6 26.6 30.6	478 580 808 1210	600 715 955 1360	705 805 1045 1465	720 820 1065 1480
30×0.75 30×1.0 30×1.5 30×2.5	1/0.97 1/1.13 1/1.38 1/1.78	7/0.37 7/0.43 7/0.52 7/0.68	19.0 20.6 23.6 28.0	20.5 22.0 25.4 30.0	21.6 23.0 26.6 31.0	22.4 24.0 27.6 31.4	525 650 885 1320	635 785 1095 1415	700 855 1205 1650	735 890 1275 1685
37×0.75 37×1.0 37×1.5 37×2.5	1/0.97 1/1.13 1/1.38 1/1.78	7/0.37 7/0.43 7/0.52 7/0.68	20.5 22.0 25.5 30.0	22.0 23.6 27.6 32.6	23.0 24.6 28.6 33.4	24.0 25.0 29.0 34.0	600 770 1050 1590	705 915 1195 1740	805 995 1315 1900	825 1015 1330 2080
44×0.75 44×1.0 44×1.5 44 ×2.5	1/0.97 1/1.13 1/1.38 1/1.78	7/0.37 7/0.43 7/0.52 7/0.68	22.6 24.6 29.0 34.6	25.0 26.6 30.6 37.0	26.0 27.6 31.6 38.0	27.0 28.6 33.0 39.0	745 915 1250 1950	885 1035 1395 2100	940 1170 1525 2295	955 1185 1815 2485
48×0.75 48×1.0 48×1.5 48×2.5	1/0.97 1/1.13 1/1.38 1/1.78	7/0.37 7/0.43 7/0.52 7/0.68	23.6 25.0 29.4 35.4	25.0 26.6 31.0 37.6	26.0 27.6 32.0 38.4	27.0 28.6 33.0 39.0	830 965 1325 2075	925 1100 1485 2145	1090 1220 1620 2345	1105 1235 1890 2535
52×0.75 52×1.0 52×1.5 52×2.5	1/0.97 1/1.13 1/1.38 1/1.78	7/0.37 7/0.43 7/0.52 7/0.68	23.5 25.5 30.0 36.5	26.0 27.5 32.5 39.0	27.0 28.5 33.5 40.0	28.0 29.5 34.5 40.5	900 1035 1420 2220	0101 1185 1580 2395	1140 1285 1730 2610	1170 1305 1895 2800
61×0.75 61×1.0 61×1.5 61×2.5	1/0.97 1/1.13 1/1.38 1/1.78	7/0.37 7/0.43 7/0.52 7/0.68	25.5 27.0 32.0 39.0	27.5 29.0 34.5 41.0	28.5 30.0 35.5 42.0	29.5 31.0 36.5 42.5	965 1185 1680 2600	1087 1316 1835 2750	1233 1450 2020 3015	1250 1470 2185 3175

Flexible, Ethylene Propylene Rubber and Silicone Rubber Control Cable Technical Data

Cable construction nominal	structure of conductor		Maximum outer diameter, mm			Reference weight, kg/km	
Cross-section, mm ²	Cable construction (diameter of wires) mm	Cable construction shield	Braided shield	Copper tape shield	Unshielded control cable Braided shield Braided shield/unshielded control cable Braided shield/braided shield Cable construction shield	Braided shield	Copper tape shield
2×0.5 2×0.75 2×1.0 2×1.5 2×2.5	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	7.4 7.8 8.2 9.2 10.6	8.8 9.2 9.8 10.8 11.8	10.8 11.2 11.6 12.8 13.6	70 85 90 120 165	100 125 135 165 210	120 150 160 195 245
3×0.5 3×0.75 3×1.0 3×1.5 3×2.5	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	7.8 8.2 8.8 9.8 11.2	9.2 9.6 10.0 11.2 12.6	11.0 11.6 11.8 13.2 14.4	85 95 110 135 190	120 140 155 185 260	130 155 170 215 295
4×0.5 4×0.75 4×1.0 4×1.5 4 ×2.5	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	8.4 8.8 9.2 10.6 12.4	9.6 10.0 10.6 11.6 14.2	11.8 12.2 12.6 13.8 16.2	95 115 125 160 230	140 165 180 210 260	170 195 210 245 385
5×0.5 5×0.75 5×1.0 5×1.5 5×2.5	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	9.0 9.8 10.2 11.4 14.0	10.0 11.0 11.4 12.6 15.2	12.2 13.0 13.4 15.0 17.6	110 120 150 200 295	165 175 210 265 400	195 205 245 310 460
7×0.5 7×0.75 7×1.0 7×1.5 7×2.5	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	9.6 10.6 11.0 12.4 15.2	11.0 11.6 12.0 14.0 16.6	13.0 13.6 14.2 16.2 18.4	120 150 170 235 360	165 215 225 340 465	195 255 260 390 535
8×0.5 8×0.75 8×1.0 8×1.5 8 ×2.5	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	10.6 11.4 12.0 14.0 16.6	11.8 12.6 13.6 15.4 17.8	13.8 14.6 15.6 17.4 20.0	125 175 195 285 410	175 230 255 395 535	205 265 295 455 610
10×0.5 10×0.75 10×1.0 10×1.5 10×2.5	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	12.0 13.0 14.2 16.0 19.0	13.6 14.8 15.6 17.2 20.2	15.6 16.6 17.6 19.2 22.2	145 215 270 350 515	195 310 385 470 645	230 350 450 555 755

Flexible, Ethylene Propylene Rubber and Silicone Rubber Control Cable Technical Data - Continued

12×0.5 12×0.75 12×1.0 12×1.5 12×2.5	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	12.4 14.0 14.6 16.6 19.6	14.0 15.2 16.0 17.8 21.6	16.2 17.2 18.0 19.8 23.8	175 250 295 395 580	225 355 405 515 710	265 405 485 610 830
14×0.5 14×0.75 14×1.0 14×1.5 14×2.5	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	13.0 14.6 15.4 17.4 20.6	14.8 15.8 16.6 18.6 22.4	16.8 17.8 18.8 20.6 24.0	200 295 335 445 685	245 410 455 565 815	295 465 530 685 915
16×0.5 16×0.75 16×1.0 16×1.5 16×2.5	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	14.2 15.4 16.2 18.2 22.2	15.6 16.6 17.4 19.4 23.4	17.4 18.6 19.2 21.0 24.6	245 325 370 495 785	290 440 485 615 895	340 490 575 745 1005
19×0.5 19 × 0.75 19 ×1.0 19×1.5 19 ×2.5	16/0.2 24/ 0.2 32/0.2 30/0.25 50/0.25	15.0 16.2 17.0 19.0 23.4	16.2 17.4 18.0 20.8 24.6	18.0 19.2 20.0 22.6 26.4	285 360 420 565 900	345 475 560 695 1070	395 545 645 825 1120
24×0.5 24×0.75 24×1.0 24×1.5 24×2.5	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	17.0 18.4 19.2 22.6 27.0	18.6 19.6 21.0 24.0 28.6	20.4 21.4 22.4 25.2 30.0	325 415 515 760 1130	395 535 655 885 1280	475 640 775 1000 1375
27 × 0.5 27×0.75 27×1.0 27×1.5 27×2.5	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	17.6 19.0 20.0 23.2 27.8	18.6 20.0 21.6 24.4 29.0	20.4 22.0 23.4 26.4 31.0	360 490 595 825 1225	490 635 735 985 1380	550 720 820 1065 1480
30×0.5 30×0.75 30×1.0 30×1.5 30×2.5	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	18.0 19.6 21.2 24.0 28.8	19.6 21.0 22.6 25.6 30.0	21.4 23.0 24.4 27.4 32.0	395 540 665 895 1345	555 099 800 1125 1495	600 715 865 1220 1625
37 ×0.5 37 ×0.75 37×1.0 37×1.5 37×2.5	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	19.0 20.6 22.6 26.0 30.4	20.6 22.0 24.0 27.0 32.0	22.4 24.0 26.0 29.0 34.0	470 S19 795 1070 1610	595 730 945 1225 1765	675 825 1015 1330 1915
44×0.5 44×0.75 44×1.0 44×1.5 44×2.5	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	21.6 23.6 25.0 29.0 35.0	23.0 24.6 26.4 30.6 36.4	25.0 26.4 28.4 32.4 38.2	540 765 940 1275 7975	620 905 1075 1420 2130	720 955 1185 1540 2310
48× 0.5 48 ×0.75 48 ×1.0 48 × 1.5 48 × 2.5	16/0.2 24/ 0.2 32/0.2 30/0.25 50/0.25	22.0 24.0 25.5 29.5 35.5	23.5 25.0 26.5 30.5 37.0	25.5 27.0 28.5 32.5 39.0	600 855 985 1350 2095	685 960 1115 1510 2175	800 1105 1235 1635 2360
52× 0.5 52×0.75 52×1.0 52×1.5 52×2.5	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	22.5 24.5 26.0 30.0 36.5	23.5 25.5 27.5 32.8 39.2	25.5 27.5 29.5 34.5 41.0	635 016 1055 1450 2245	765 1035 1215 1605 2120	815 1165 1300 1745 2625
61×0.5 61×0.75 61 ×1.0 61×1.5 61×2.5	16/0.2 24/ 0.2 32/0.2 30/0.25 50/0.25	24.0 26.0 27.5 32.5 39.5	25.5 27.0 29.0 35.0 41.5	27.5 29.0 31.0 36.5 43.0	069 990 1210 1700 2610	810 1105 1350 1880 2795	890 1250 1470 2040 3035

Fluoroplastic Insulated High-Temperature Control Cable Technical Data

pairx nominal cross	Cableconstructiabl econstruction	Conductor structure (number/diameter of wires), mm			Maximum outer diameter, mm			Reference weight, kg/km	
section mm	A	B	R	Unsrieded corroi caol		Braided shlel Braided shielunmeaeowo ai			Braided shlelbraided shield
2×0.2 2×0.35 2×0.5 2×0.75 2×1.0 2×1.5 2×2.5	1/0.5 1/0.68 1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.2 7/0.26 7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	12/0.15 20/0.15 16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	4.4 4.6 5.0 5.8 6.2 6.6 8.4	5.2 5.4 5.8 6.6 7.0 7.4 9.2	5.0 5.4 5.8 6.6 7.0 7.4 9.2	27 32 36 48 56 70 98	42 48 53 65 76 90 122	40 52 58 66 80 100 133
3×0.2 3×0.35 3× 0.5 3×0.75 3×1.0 3 × 1.5 3×2.5	1/0.5 1/0.68 1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.2 7/0.26 7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	12/0.15 20/0.15 16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	4.8 5.5 5.4 6.4 6.8 7.4 9.0	5.6 6.0 6.2 7.2 7.6 8.2 9.8	5.4 5.8 6.0 7.0 7.4 8.0 9.6	33 42 46 60 72 90 134	50 58 64 81 92 115 163	58 63 72 92 102 126 175
4×0.2 4×0.35 4×0.5 4×0.75 4×1.0 4×1.5 4×2.5	1/0.5 1/0.68 1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.2 7/0.26 7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	12/0.15 20/0.15 16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	5.0 5.6 6.0 7.0 7.6 8.2 9.8	5.8 6.4 6.8 7.8 8.4 9.0 10.6	5.6 6.2 6.6 7.6 8.2 8.8 10.4	39 48 56 75 91 121 169	56 67 76 97 103 142 200	65 74 82 108 128 150 215
5× 0.2 5×0.35 5 × 0.5 5×0.75 5×1.0 5 ×1.5 5×2.5	1/0.5 1/0.68 1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.2 7/0.26 7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	12/0.15 20/0.15 16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	5.6 6.0 6.4 7.8 8.4 9.0 10.6	6.4 6.8 7.2 8.6 9.2 9.8 11.6	6.2 6.6 7.0 8.4 9.0 9.5 11.4	46 57 66 90 109 141 201	65 78 88 113 136 169 241	69 85 96 126 143 188 259
7×0.2 7×0.35 7×0.5 7×0.75 7×1.0 7×1.5 7×2.5	1/0.5 1/0.68 1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.2 7/0.26 7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	12/0.15 20/0.15 16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	6.0 6.6 7.2 8.6 9.2 9.8 11.8	6.8 7.4 8.0 9.3 10.0 10.6 12.8	6.6 7.2 7.8 9.2 9.8 10.3 12.6	57 72 86 117 146 187 288	78 94 110 144 178 220 330	90 102 123 160 186 240 340
8×0.2 8×0.35 8×0.5 8 ×0.75 8×1.0 8 × 1.5 8×2.5	1/0.5 1/0.68 1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.2 7/0.26 7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	12/0.15 20/0.15 16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	6.4 7.2 7.8 9.2 10.0 10.6 12.8	7.2 8.0 8.8 10.0 10.8 11.4 13.8	7.2 7.8 8.5 9.8 10.6 11.2 13.6	65 85 105 145 175 230 360	90 110 130 175 210 265 420	86 110 125 170 195 254 385

Fluoroplastic Insulated High-Temperature Control Cable Technical Data - Continued 1

10×0.2 10×0.35 10×0.5 10×0.75 10×1.0 10×1.5 10×2.5	1/0.5 1/0.68 1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.2 7/0.26 7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	12/0.15 20/0.15 16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	7.6 8.4 9.2 10.8 11.6 12.4 15.4	8.4 9.2 9.8 11.6 12.6 13.4 16.4	8.2 9.0 9.8 11.4 12.4 13.5 16.2	80 103 125 175 227 295 438	105 130 156 210 270 350 505	100 128 132 198 26 340 490
12×0.2 12×0.35 12×0.5 12×0.75 12×1.0 12×1.5 12×2.5	1/0.5 1/0.68 1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.2 7/0.26 7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	12/0.15 20/0.15 16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	7.8 8.8 9.4 11.2 12.0 12.8 16.0	8.6 9.4 10.2 12.0 13.0 13.8 17.0	8.6 9.4 10.0 11.8 12.8 13.6 16.8	90 115 140 195 260 335 510	118 145 170 235 300 395 585	115 135 160 220 275 355 565
14×0.2 14×0.35 14×0.5 14×0.75 14×1.0 14×1.5 14×2.5	1/0.5 1/0.68 1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.1 7/0.26 7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	12/0.15 20/0.15 16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	8.4 9.2 10.0 11.8 12.6 13.6 16.2	9.2 10.0 10.8 12.8 13.6 14.6 17.0	9.0 9.8 10.6 12.6 13.4 14.4 16.8	100 130 160 240 295 390 590	130 165 195 285 355 450 685	125 150 180 260 320 435 660
16×0.2 16×0.35 16×0.5 16×0.75 16×1.0 16×1.5 16×2.5	1/0.5 1/0.68 1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.2 7/0.26 7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	12/0.15 20/0.15 16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	8.8 9.6 10.4 12.4 13.2 14.4 17.2	9.6 10.4 11.2 13.4 14.4 15.4 18.2	9.4 10.4 11.0 13.2 14.2 15.2 18.0	115 145 180 270 335 440 625	145 180 215 315 395 505 715	140 170 205 295 375 495 690
19×0.2 19×0.35 19×0.5 19×0.75 19×1.0 19×1.5 19×2.5	1/0.5 1/0.68 1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.2 7/0.26 7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	12/0.15 20/0.15 16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	9.2 10.1 11.0 13.2 14.2 14.8 18.2	10.0 10.9 12.0 14.0 15.2 16.0 19.4	9.8 10.7 11.8 13.8 15.0 15.8 19.2	130 170 225 315 389 505 760	160 205 265 390 454 583 815	155 195 240 375 435 568 785
24×0.2 24×0.35 24×0.5 24×0.75 24×1.0 24×1.5 24×2.5	1/0.5 1/0.68 1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.2 7/0.26 7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	12/0.15 20/0.15 16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	10.6 11.8 13.0 14.4 15.2 17.8 22.2	11.6 12.8 14.0 15.2 16.0 19.0 23.4	11.6 12.6 13.8 15.0 15.8 18.8 23.2	175 225 280 385 455 635 1005	215 285 340 445 520 730 1100	200 265 325 420 495 700 1065
27×0.2 27×0.35 27×0.35 27×0.75 27×1.0 27×1.5 27×2.5	1/0.5 1/0.68 1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.2 7/0.26 7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	12/0.15 20/0.15 16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	11.0 12.0 13.4 14.4 15.2 17.8 22.2	12.0 13.0 14.4 15.2 16.0 19.0 23.4	11.8 12.8 14.2 15.0 15.8 18.8 23.2	190 250 305 425 505 705 1120	235 305 370 490 580 810 1200	225 290 345 485 575 790 1180
30×0.2 30×0.35 30×0.5 30×0.75 30×1.0 30×1.5	1/0.5 1/0.68 1/0.7 1/0.97 1/1.13 1/1.38	7/0.2 7/0.26 7/0.3 7/0.37 7/0.73 7/0.52	12/0.15 20/0.15 16/0.2 24/0.2 32/0.2 30/0.25	11.4 12.8 13.8 15.0 15.8 18.4	12.4 13.8 14.8 15.8 16.8 19.8	12.2 13.6 14.6 15.6 16.6 19.4	205 275 335 470 555 775	250 335 400 540 635 890	230 305 385 525 615 875

Fluoroplastic Insulated High-Temperature Control Cable Technical Data - Continued 2

33×0.2 33×0.35 33×0.5 33×0.75 33×1.0 33×1.5	1/0.5 1/0.68 1/0.7 1/0.97 1/1.13 1/1.38	7/0.2 7/0.26 7/0.3 7/0.37 7/0.73 7/0.52	12/0.15 20/0.15 16/0.2 24/0.2 32/0.2 30/0.25	11.8 13.2 13.8 15.6 16.6 19.4	12.8 14.2 14.8 16.4 17.6 20.4	12.6 14.0 14.6 16.2 17.4 20.2	235 310 365 515 605 864	280 370 430 590 695 990	265 350 400 560 650 940
37×0.2 37×0.35 37×0.5 37×0.75 37×1.0 37×1.5	1/0.5 1/0.68 1/0.7 1/0.97 1/1.13 1/1.38	7/0.2 7/0.26 7/0.3 7/0.37 7/0.73 7/0.52	12/0.15 20/0.15 16/0.2 24/0.2 32/0.2 30/0.25	12.4 13.6 14.4 16.2 17.2 20.2	13.4 14.6 15.4 17.2 18.4 21.2	13.2 14.4 15.2 17.0 18.2 21.0	250 340 420 570 670 950	305 405 484 655 770 1100	280 380 460 625 735 1030
44×0.2 44×0.35 44×0.5 44×0.75 44×1.0 44×1.5	1/0.5 1/0.68 1/0.7 1/0.97 1/1.13 1/1.38	7/0.2 7/0.26 7/0.3 7/0.37 7/0.73 7/0.52	12/0.15 20/0.15 16/0.2 24/0.2 32/0.2 30/0.25	13.8 14.2 16.2 18.4 19.6 23.0	14.8 15.2 17.0 19.4 20.6 24.0	14.6 14.8 16.8 19.2 20.4 23.8	290 380 495 685 810 1090	355 440 570 790 930 1300	335 420 545 740 880 1215
48×0.2 48×0.35 48 ×0.5 48×0.75 48×1.0 48×1.5	1/0.5 1/0.68 1/0.7 1/0.97 1/1.13 1/1.38	7/0.2 7/0.26 7/0.3 7/0.37 7/0.73 7/0.52	12/0.15 20/0.15 16/0.2 24/0.2 32/0.2 30/0.25	14.2 14.4 16.6 18.8 20.0 23.6	15.2 15.8 17.6 19.8 21.0 24.6	15.0 15.6 17.4 19.6 20.8 24.4	315 414 535 740 875 1190	380 475 615 850 1005 1415	360 460 580 790 930 1320

Fluoroplastic Insulated and Polyvinyl Chloride Sheathed Control Cable Technical Data

Cable construction		Conductor structure (number/diameter of wires), mm			mm	Reference weight, kg/km	
nominal section mm	A	B	R	Unshielded control cable Unshielded control cable	Braided shield Braided shield Braided shield	Unshielded control cable Unshielded control cable	Braided shield Braided shield Braided shield
2×0.5 2×0.75 2×1.0 2×1.5 2×2.5	1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	6.4 7.0 7.4 8.6 9.6	7.4 7.8 8.2 9.6 10.6	45 55 60 80 110	65 80 85 110 145
3×0.5 3×0.75 3×1.0 3×1.5 3×2.5	1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	6.8 7.6 7.6 9.0 10.2	7.8 8.2 8.6 10.0 11.2	55 70 80 100 145	80 90 105 130 195
4×0.5 4×0.75 4×1.0 4×1.5 4×2.5	1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	7.4 7.8 8.2 9.8 11.0	8.2 8.8 9.0 11.0 12.0	65 80 95 125 185	90 110 125 160 230

Fluoroplastic Insulated and Polyvinyl Chloride Sheathed Control Cable Technical Data - Continued

5×0.5 5×0.75 5×1.0 5×1.5 5×2.5	1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	7.8 8.4 8.8 10.6 12.0	8.8 9.2 9.8 11.6 13.0	80 100 115 155 230	105 125 150 200 290
6×0.5 6×0.75 6×1.0 6×1.5 6×2.5	1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	8.4 9.0 9.6 11.6 13.0	9.2 10.0 10.6 12.4 14.6	95 115 135 180 275	125 145 170 235 240
7×0.5 7×0.75 7×1.0 7×1.5 7×2.5	1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	8.4 9.0 9.6 11.6 13.0	9.2 10.0 10.6 12.4 14.6	100 120 145 195 295	130 155 180 250 260
8×0.5 8×0.75 8×1.0 8×1.5 8×2.5	1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	9.0 9.8 10.2 12.4 14.6	9.8 10.6 11.1 13.4 15.6	110 135 165 220 355	140 170 210 275 425
9×0.5 9×0.75 9×1.0 9×1.5 9×2.5	1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	9.8 10.6 11.2 12.6 16.2	10.6 11.4 12.0 15.4 17.0	120 150 185 245 395	155 200 240 310 470
10×0.5 10×0.75 10×1.0 10×1.5 10×2.5	1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	10.2 11.2 11.4 15.0 17.2	11.2 12.0 12.8 16.0 18.0	130 170 200 270 435	180 220 260 355 515
12×0.5 12×0.75 12×1.0 12×1.5 12×2.5	1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	10.6 11.4 12.1 15.8 17.6	11.4 12.4 13.0 16.4 18.6	150 190 235 340 505	200 245 290 405 585
14×0.5 14×0.75 14×1.0 14×1.5 14×2.5	1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	11.0 12.0 12.8 16.4 18.6	12.0 13.0 13.6 17.2 19.4	170 220 265 380 575	220 275 340 455 660
16×0.5 16×0.75 16×1.0 16×1.5 16×2.5	1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	11.6 12.6 13.4 17.2 19.6	12.4 13.4 15.0 18.0 21.0	190 245 300 435 660	250 310 390 505 775
18×0.5 18×0.75 18×1.0 18×1.5 18×2.5	1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	12.2 13.2 14.8 18.0 20.8	13.0 14.8 15.6 19.0 21.8	210 275 355 485 755	275 360 420 560 855

Low-Smoke Zero-Halogen Control Cable Technical Data

19×0.5 19×0.75 19×1.0 19×1.5 19×2.5	1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	12.2 13.2 14.8 18.0 21.0	13.0 14.8 15.6 19.0 21.8	220 285 360 500 780	280 365 430 575 880
20×0.5 20 × 0.75 20×1.0 20×1.5 20×2.5	1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	16/0.2 24 / 0.2 32/0.2 30/0.25 50 / 0.25	12.4 13.6 15.2 18.4 21.6	13.4 15.2 16.0 19.4 22.4	230 295 380 520 815	290 380 450 600 920
24×0.5 24×0.75 24×1.0 24×1.5 24×2.5	1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	14.6 16.0 17.0 21.4 24.2	15.6 16.6 17.8 22.4 25.2	290 370 455 615 970	360 450 535 730 1090
27 × 0.5 27 × 0.75 27 ×1.0 27×1.5 27 ×2.5	1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	16 /0.2 24/0.2 32/ 0.2 30/0.25 50/0.25	15.0 16.4 17.4 21.8 25.0	15.8 17.2 18.2 22.8 25.8	320 410 500 690 1080	390 485 585 800 1195
30×0.5 30×0.75 30×1.0 30×1.5 30×2.5	1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	16/0.2 24/0.2 32/0.2 30/0.25 50/0.25	15.4 16.8 17.8 22.6 25.8	16.4 17.8 18.8 23.6 27.4	345 450 550 770 1180	425 530 630 870 1365
37×0.5 37×0.75 37×1.0 37×1.5 37×2.5	1/0.8 1/0.97 1/1.13 1/1.38 1/1.78	7/0.3 7/0.37 7/0.43 7/0.52 7/0.68	16/0.2 24 / 0.2 32/ 0.2 30/0.25 50 / 0.25	16.4 18.0 19.4 24.4 28.4	17.4 18.8 20.6 25.4 29.4	415 540 660 930 1475	490 625 770 1035 1600

Fire-Resistance Test Conditions

Testing condition		
Flame temperature	750	750
Burning time	3 cooling15min	
Additive Voltage	Rated Voltage	Rated Voltage
Additivecurrent	3A	3A

Fire-Resistant Control Cable Main Technical Parameters

Property Item	Unit			Technical Parameter			
20°C		Cross-section, mm ²	0.5	0.75	1.0	1.5	2.5
Conductor DC resistance at 20 °C, Ω/km	Ω/km	Aclass conductor	36.0	24.5	18.1	12.1	7.41
		Rclass conductor	39.0	26.0	19.5	13.3	7.98
Tested Voltage	k V		3.0		5min		
Insulation resistance	MQ·km			1000			
Fire-resistance characteristics							
Flame-retardant Characteristics				Flame-retardantperformance			

Fire-Resistant Control Cable Dimensions and Reference Weight

Cores × nominal cross-section		Conductor structure (number/diameter of wires), mm		Max.diameter mm			Reference weight, kg/km	
Cross-section, mm²	A	R						
2×0.5 2×0.75 2×1.0 2×1.5 2×2.5	1/0.80 1/0.97 1/1.13 1/1.38 1/1.78	16/0.20 24/0.20 32/0.20 30/0.25 50/0.25	12.2 13.2 14.5 15.3 16.4	14.5 15.4 16.2 17.5 18.6	16.0 17.0 18.2 19.0 20.2	245 259 275 316 381	274 290 308 375 447	564 590 628 678 776
3×0.5 3×0.75 3×1.0 3×1.5 3×2.5	1/0.80 1/0.97 1/1.13 1/1.38 1/1.78	16/0.20 24/0.20 32/0.20 30/0.25 50/0.25	12.7 13.7 15.0 16.0 17.6	15.0 16.0 17.0 18.3 20.0	16.4 17.4 18.7 19.7 21.8	291 310 335 383 515	332 354 380 434 572	632 663 715 787 924
4×0.5 4×0.75 4×1.0 4×1.5 4×2.5	1/0.80 1/0.97 1/1.13 1/1.38 1/1.78	16/0.20 24/0.20 32/0.20 30/0.25 50/0.25	14.1 15.2 16.2 18.2 19.6	16.0 17.0 18.0 20.0 22.0	17.8 19.0 20.0 22.4 24.0	347 372 438 504 619	380 418 488 560 680	736 778 843 921 1070
5×0.5 5×0.75 5×1.0 5×1.5 5×2.5	1/0.80 1/0.97 1/1.13 1/1.38 1/1.78	16/0.20 24/0.20 30/0.25 30/0.25 50/0.25	15.2 16.8 18.0 19.7 21.2	17.0 18.8 19.8 21.6 23.0	19.0 20.8 22.2 24.0 25.4	445 476 506 585 727	492 527 562 647 795	850 891 958 1040 1210
7×0.5 7×0.75 7×1.0 7×1.5 7×2.5	1/0.80 1/0.97 1/1.13 1/1.38 1/1.78	16/0.20 24/0.20 32/0.20 30/0.25 50/0.25	16.8 17.6 18.8 20.8 22.9	18.0 19.5 20.7 23.0 25.3	20.0 20.8 22.7 24.6 26.8	537 578 617 722 913	587 634 678 790 988	958 1030 1090 1210 1420
8×0.5 8×0.75 8×1.0 8×1.5 8×2.5	1/0.80 1/0.97 1/1.13 1/1.38 1/1.78	16/0.20 24/0.20 32/0.20 30/0.25 50/0.25	17.3 18.8 20.2 22.3 24.6	19.2 20.7 22.3 24.9 27.0	21.0 21.7 22.5 23.5 26.0	595 641 685 805 1025	650 702 752 880 1107	1065 1120 1215 1335 1585
10×0.5 10×0.75 10×1.0 10×1.5 10×2.5	1/0.80 1/0.97 1/1.13 1/1.38 1/1.78	16/0.20 24/0.20 32/0.20 30/0.25 50/0.25	20.0 21.7 23.8 26.4 28.6	20.0 24.4 26.0 28.6 33.0	23.0 24.5 25.0 26.8 29.5	719 777 900 1050 1340	774 850 978 1140 1438	1250 1330 1470 1645 1990

Fire-Resistant Fluoroplastic Control Cable Dimensions and Reference Weight

Cable construction nominal corss section		Conductor structure (number/diameter of wires), mm		Max.diameter mm		Reference weight, kg/km
mm	A	R		Braided shielc Copper tape shi Braided shield		Copper tapeshield
2×0.5 2×0.75 2×1.0 2×1.5 2×2.5	1/0.80 1/0.97 1/1.13 1/1.38 1/1.78	16/0.20 24/0.20 32/0.20 30/0.20 49/0.20	8.0 8.5 9.3 10.1 10.8	7.7 8.2 9.0 9.8 10.5	221 234 248 285 344	252 258 271 324 388
3×0.5 3 × 0.75 3×1.0 3×1.5 3×2.5	1/0.80 1/0.97 1/1.13 1/1.38 1/1.78	16/0.20 24/0.20 32/0.20 30/0.20 49/0.20	8.5 9.0 9.8 10.7 11.5	8.2 8.6 9.5 10.4 11.2	262 280 302 346 465	295 315 344 390 509
4×0.5 4×0.75 4×1.0 4×1.5 4×2.5	1/0.80 1/0.97 1/1.13 1/1.38 1/1.78	16/0.20 24/0.20 32/0.20 30/0.20 49/0.20	9.3 10.0 10.8 11.6 12.6	9.0 9.7 10.5 11.2 12.2	314 336 395 454 559	349 375 435 498 621
5×0.5 5 × 0.75 5×1.0 5×1.5 5×2.5	1/0.80 1/0.97 1/1.13 1/1.38 1/1.78	16/0.20 24/0.20 32/0.20 30/0.20 49/0.20	10.1 10.7 11.8 12.8 13.8	9.8 10.4 11.5 12.5 13.5	402 429 457 528 656	441 461 502 577 711
7×0.5 7×0.75 7×1.0 7×1.5 7×2.5	1/0.80 1/0.97 1/1.13 1/1.38 1/1.78	16/0.20 24/0.20 32/0.20 30/0.20 49/0.20	11.2 11.8 12.9 14.0 15.2	10.8 11.5 12.6 13.8 14.8	485 522 557 652 780	527 578 616 719 900
8×0.5 8 × 0.75 8×1.0 8×1.5 8×2.5	1/0.80 1/0.97 1/1.13 1/1.38 1/1.78	16/0.20 24/0.20 32/0.20 30/0.20 49/ 0.20	12.0 12.6 14.0 15.2 16.6	11.7 12.3 13.7 14.8 16.2	536 579 618 727 925	593 640 684 801 1009

Fire-Resistant Low-Smoke Zero-Halogen Control Cable Dimensions and Reference Weight

Cores × nominal cross-section	Cable construction	Conductor structure (number/diameter of wires), mm		Max. diameter mm			Reference weight, kg/km	
mm² 2×0.5 2×0.75 2×1.0 2×1.5 2×2.5	A 1/0.80 1/0.97 1/1.13 1/1.38 1/1.78	R 16/0.20 24/0.20 32/0.20 30/0.25 50/0.25	11.4 11.8 12.6 13.6 14.7	13.3 13.7 14.5 15.5 16.6	15.3 15.8 16.5 17.5 18.6	Braided shield Braided shield Unshielded control Braided shield Braided shield Unshielded control cable 233 246 261 300 362	265 272 285 341 408	564 590 628 678 776
3×0.5 3×0.75 3×1.0 3×1.5 3×2.5	1/0.80 1/0.97 1/1.13 1/1.38 1/1.78	16/0.20 24/0.20 32/0.20 30/0.25 50/0.25	11.8 12.3 13.2 14.2 15.4	13.8 14.3 15.2 16.2 17.5	15.7 16.2 17.2 18.2 19.3	276 295 318 364 489	310 332 362 410 536	632 663 715 787 924
4×0.5 4×0.75 4×1.0 4×1.5 4×2.5	1/0.80 1/0.97 1/1.13 1/1.38 1/1.78	16/0.20 24/0.20 32/0.20 30/0.25 50/0.25	12.6 13.2 14.2 15.3 16.6	14.6 15.2 16.2 17.3 18.5	16.5 17.2 18.2 19.3 20.5	330 354 416 478 588	367 395 458 524 654	736 778 843 921 1070
5×0.5 5×0.75 5×1.0 5×1.5 5×2.5	1/0.80 1/0.97 1/1.13 1/1.38 1/1.78	16/0.20 24/0.20 32/0.20 30/0.25 50/0.25	13.5 14.1 15.2 17.0 18.5	15.4 16.0 17.0 19.0 20.4	17.5 18.2 19.2 21.0 22.5	423 452 481 556 691	464 485 528 607 748	850 891 958 1040 1210
7×0.5 7×0.75 7×1.0 7 ×1.5 7×2.5	1/0.80 1/0.97 1/1.13 1/1.38 1/1.78	16/0.20 24/0.20 32/0.20 30/0.25 50/0.25	14.5 15.0 16.8 18.3 20.0	16.3 17.0 18.8 20.0 21.6	18.8 19.5 21.2 22.5 24.0	510 549 586 686 867	555 608 648 757 947	958 1030 1090 1210 1420
8×0.5 8×0.75 8×1.0 8×1.5 8×2.5	1/0.80 1/0.97 1/1.13 1/1.38 1/1.78	16/0.20 24/0.20 32/0.20 30/0.25 50/0.25	15.3 16.2 17.9 20.8 22.8	17.2 17.9 19.3 21.7 23.8	19.6 20.3 21.8 22.8 25.0	565 609 651 765 974	625 674 720 844 1063	1065 1120 1215 1335 1585
10×0.5 10×0.75 10×1.0 10×1.5 10×2.5	1/0.80 1/0.97 1/1.13 1/1.38 1/1.78	16/0.20 24/0.20 32/0.20 30/0.25 50/0.25	17.5 18.3 20.0 22.4 24.6	19.4 20.2 22.6 24.6 26.8	21.4 22.2 24.6 26.6 28.8	683 738 855 1000 1270	753 814 942 1093 1143	1250 1330 1470 1645 1990



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