

YY LSZH Multicore Unscreened Control Flexible Cable

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RoHS
Compliant

Application:

For installation where fire, smoke emission and toxic fumes create a potential threat to life and equipment. Used as interconnecting cable for measuring, controlling or regulation in control equipment for assembly and production lines, conveyors and for computer units. Suitable for fixed installations or for flexible use in conditions of light mechanical stress. Can be used outdoors when protected, and in dry or moist conditions indoors.

Note: YY control cables are not suitable for fixed wiring applications requiring compliance with the regulations set out in BS7671.

Construction:

Conductor

Class 5 flexible copper conductor

Insulation

Halogen-Free Compound Type TI6 according to BS EN 50363

Sheath

LSZH (Low Smoke Zero Halogen) Type TM7 according to BS EN 50363

Cable Standards

VDE 0250, BS EN/IEC 60332-3, BS EN/ IEC 60754-1

Characteristics:

Voltage Rating (Uo/U)

300/500V

Temperature Rating

Fixed : -40°C to +70°C

Flexed : -15°C to +70°C

Minimum Bending Radius

Fixed : 4 × overall diameter

Flexed : 10 × overall diameter

Core Identification

Black with White numbers

(3 core and above includes Green/Yellow)

Sheath Colour

Grey

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Dimensions:

Part Number	No. of Cores	Nominal Cross Sectional Area mm ²	Thickness of outer Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/km
PP000501	2	0.75	0.8	5.7	46
PP000502		1	0.8	5.9	52
PP000503		1.5	0.9	7.1	75
PP000504		2.5	0.9	8.3	108
PP000505	3	0.75	0.8	6.04	54
PP000506		1	0.8	6.26	63
PP000507		1.5	0.9	7.54	90
PP000508		2.5	1	9.04	136
PP000509	4	0.75	0.8	6.58	66
PP000510		1	0.9	7.02	80
PP000511		1.5	0.9	8.23	116
PP000512		2.5	1	9.87	179

Conductors

Class 5 Flexible Copper Conductors for Single Core and Multi-Core Cables

Nominal Cross Sectional Area mm ²	Max. Diameter of Wires in Conductor mm	Max. Resistance of Conductor at 20°C Plain Wires Ω / km
0.75	0.21	26
1	0.21	19.5
1.5	0.26	13.3
2.5	0.26	7.98

Electrical Characteristics:

Current Carrying Capacity at 30°C

Nominal Cross Sectional Area mm ²	Current Rating Amps
0.75	12
1	15
1.5	18
2.5	26

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Part Number Table

Description	No. of Cores	Reel Length	Part Number
YY LSZH Multicore Unscreened Control Flexible Cable	2	100m	PP000501
			PP000502
			PP000503
			PP000504
	3		PP000505
			PP000506
			PP000507
			PP000508
	4		PP000509
			PP000510
			PP000511
			PP000512

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