

# YY LSZH / BS EN 50525-3-11

## Multiconductor Unscreened Flexible Control Cable **pro-POWER**

**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.

### Construction:

#### Conductor

Class 5 flexible copper conductor according to BS EN 60228 (previously BS 6360)

#### 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

Generally to BS EN 50525-3-11, 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)

Coloured cores:

2 core : Blue & Brown

3 core : Green/Yellow, Blue & Brown

4 core : Green/Yellow, Brown, Black & Grey

#### Sheath Colour

Grey

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### Dimensions:

Part Number	No. of Cores	Nominal Cross Sectional Area mm <sup>2</sup>	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

\*These cables are available with colour coded cores

### Conductors

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

Nominal Cross Sectional Area mm <sup>2</sup>	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 <sup>2</sup>	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 / BS EN 50525-3-11 Multiconductor Unscreened Flexible Control Cable	2	100m	PP000501
			PP000502
			PP000503
			PP000504
	3		PP000505
			PP000506
			PP000507
			PP000508
	4		PP000509
			PP000510
			PP000511
			PP000512

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