

# CY LSZH / BS EN 50525-3-11

## Multiconductor Screened 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 when temporarily moved, and in conditions of medium mechanical stress. Can be used outdoors when protected, and in dry or damp conditions indoors.

### Construction:

#### Conductor:

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

#### Insulation:

Halogen Free Type TI6 according to BS EN 50363

#### Binding Tape:

PET (Polyester Tape)

#### Screen:

TCWB (Tinned Copper Wire Braid)

#### Sheath:

LSZH (Low Smoke Zero Halogen) Type TM7 according to BS EN 50363-8

#### Cable Standards

Generally to BS EN 50525-3-11, BS EN/IEC 60754-1, BS EN/IEC 60332-1-2

### Characteristics:

#### Voltage Rating (Uo/U)

300/500V

#### Temperature Rating:

Installation : -15°C to +70°C

Operating : -30°C to +70°C

#### Minimum Bending Radius:

Fixed : 6 × overall diameter

Flexed : 15 × overall diameter

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### Core Identification:

Number Coded Cores

Black with White numbers

3 cores and above to include Green/Yellow

### Colour Coded Cores:

3 core : Green/Yellow, Brown, Blue

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

### Sheath Colour:

Grey

### Dimensions:

Part Number	No. of Cores	Nominal Cross Sectional Area mm <sup>2</sup>	Nominal Overall Diameter mm	Nominal Weight Kg/Km
PP000488	2	0.75	6.1	45
PP000489		1	6.3	57
PP000490		1.5	7.3	75
PP000491	3	0.75	6.4	63
PP000492		1	6.6	73
PP000493		1.5	7.7	95
PP000494	4	0.75	6.9	89
PP000495		1	7.1	86
PP000496		1.5	8.4	118

### Conductors:

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

Nominal Cross Sectional Area mm <sup>2</sup>	Maximum Resistance of Conductor at 20°C
0.75	26
1	19.5
1.5	13.3

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### 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

### Part Number Table

Description	No. of Cores	Reel Length	Part Number
CY LSZH / BS EN 50525-3-11 Multiconductor Screened Flexible Control Cable	2	100m	PP000488
			PP000489
			PP000490
	3		PP000491
			PP000492
			PP000493
	4		PP000494
			PP000495
			PP000496

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