

# MI SERVED CABLE (LIGHT DUTY)



Mineral Insulated Cable delivers Fire Performance. It guarantees data transmission and security of power and control circuits by exceeding the requirements of BS-8519-1 providing circuit integrity at 950°C. It also exceeds enhanced grade requirements defined by BS 5839-1-26.2e and satisfies all Cat. 1, 2 & 3 power and all Cat. 1, 2 & 3 control requirements defined by BS 8519 5839-1-26.2e and satisfies all Cat. 1, 2 & 3 power and all Cat. 1, 2 & 3 control



## CABLE CONSTRUCTION

### Conductor

Plain Annealed solid Copper

### Core Identification

By Sleeve Colour

### Sheath Color

Red, White, Orange or Any Other

### Insulation

Compressed Magnesium Oxide Power (Organic)

### Sheath

Plain Copper Sheath and Plus Thermoplastic LSZH Sheath

### Standard Packing Mode

Cut of Length / Reeled

Manufacturing Standard	Code of Practice / Guide to use	Fire Tests	Emission and Flame Propagation
BS EN 60702 – 1	BS 5839 – 1 Clause 26.2 Enhanced BS 5266 BS 8519 Category 1 & 2 Control (For Category 3 & Power Application see special notes)	BS 8434 – 2 BS EN 50200 PH30 PH60 PH120 BS 6387 CWZ BS 8491	BS EN 50267 (IEC 60754) Acid Gas Emission BS EN 50268 (IEC 61034) Smoke Emission BS EN 50265/50266 (IEC 60332) Flame Propagation

## ELECTRICAL & MECHANICAL CHARACTERISTICS

Properties	Value			
	1.0 mm <sup>2</sup>	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	4.0 mm <sup>2</sup>
Max. Cond. Resistant @ 20°C	18.0 Ω/Km	12.1 Ω/Km	7.41 Ω/Km	4.61 Ω/Km
Voltage Rating	500 V (For Light Duty Use)			
Min. Bend Radius	6 x D			
Operating Temperature	-10 °C to +250 °C (It can withstand up to melting point of copper 1083 °C but this will lead to the reduction of the life of the cable)			



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## PHYSICAL INFORMATION

No. of Core x Nom. (n x mm)	Nom. CSA of Copper Sheath (mm)	Voltage Rating (A)	Voltage Drop (mV)	Outer Diameter (mm)	Weight (kg/km)
2 x 1.0	5.40	19.5	42	6.4	126.0
2 x 1.5	6.30	25	28	7.0	154.0
2 x 2.5	8.20	33	17	7.9	206.0
2 x 4.0	10.7	44	10	9.2	322.0
3 x 1.0	6.70	16.5	36	7.0	159.0
3 x 1.5	7.80	21	24	7.7	194.0
3 x 2.5	9.50	28	14	8.8	272.0
4 x 1.0	7.70	16	36	7.6	187.0
4 x 1.5	9.10	21	24	8.3	231.0
4 x 2.5	11.3	28	14	9.6	336.0
7 x 1.5	11.8	14	28	9.9	351.0
7 x 2.5	15.4	19	17	11.2	475.0

## ORDERING INFORMATION

Part Number	Description
51-L1002X	MI Served LSZH Cable 2C x 1.0 mm <sup>2</sup>
51-L1003X	MI Served LSZH Cable 3C x 1.0 mm <sup>2</sup>
51-L1004X	MI Served LSZH Cable 4C x 1.0 mm <sup>2</sup>
51-L1502X	MI Served LSZH Cable 2C x 1.5 mm <sup>2</sup>
51-L1503X	MI Served LSZH Cable 3C x 1.5 mm <sup>2</sup>
51-L1504X	MI Served LSZH Cable 4C x 1.5 mm <sup>2</sup>
51-L1507X	MI Served LSZH Cable 7C x 1.5 mm <sup>2</sup>
51-L2502X	MI Served LSZH Cable 2C x 2.5 mm <sup>2</sup>
51-L2503X	MI Served LSZH Cable 3C x 2.5 mm <sup>2</sup>
51-L2504X	MI Served LSZH Cable 4C x 2.5 mm <sup>2</sup>
51-L2507X	MI Served LSZH Cable 7C x 2.5 mm <sup>2</sup>
51-L4002X	MI Served LSZH Cable 2C x 4.0 mm <sup>2</sup>

X → RD: Red WH: White OR: Orange