

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 ²	1.5 mm ²	2.5 mm ²	4.0 mm ²
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 ²)	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 ² (Light Duty-500V)
51-L1003X	MI Served LSZH Cable 3C x 1.0 mm ² (Light Duty-500V)
51-L1004X	MI Served LSZH Cable 4C x 1.0 mm ² (Light Duty-500V)
51-L1502X	MI Served LSZH Cable 2C x 1.5 mm ² (Light Duty-500V)
51-L1503X	MI Served LSZH Cable 3C x 1.5 mm ² (Light Duty-500V)
51-L1504X	MI Served LSZH Cable 4C x 1.5 mm ² (Light Duty-500V)
51-L1507X	MI Served LSZH Cable 7C x 1.5 mm ² (Light Duty-500V)
51-L2502X	MI Served LSZH Cable 2C x 2.5 mm ² (Light Duty-500V)
51-L2503X	MI Served LSZH Cable 3C x 2.5 mm ² (Light Duty-500V)
51-L2504X	MI Served LSZH Cable 4C x 2.5 mm ² (Light Duty-500V)
51-L2507X	MI Served LSZH Cable 7C x 2.5 mm ² (Light Duty-500V)
51-L4002X	MI Served LSZH Cable 2C x 4.0 mm ² (Light Duty-500V)

X → RD: Red WH: White OR: Orange