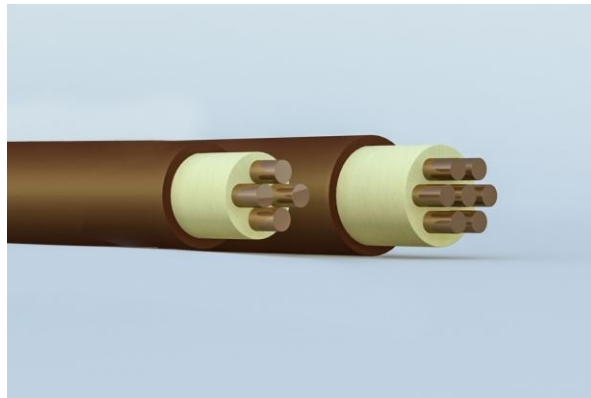


MINERAL INSULATED HEAVY DUTY BARE CABLE - 750 V



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. It is used for Heavy duty purpose at 750 V Operating Voltage.



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

Standard Packing Mode

Cut of Length / Reeled

COMPLIANCE STANDARDS

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 6387 CWZ BS 8434 – 2 BS EN 50200 PH30 PH60 PH120 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	750 V (For Heavy Duty Use)			
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)			

Nom. Cross section Area (mm ²)	Voltage Drop (mV/A/m)	
	Single Phase Power Supply	3 Phase Power Supply
1	42	36
1.5	28	24
2.5	17	14
4	7	6

MINERAL INSULATED HEAVY DUTY SERVED CABLE - 750 V



PHYSICAL INFORMATION

No. of Core x Nom. Cross section (n x mm ²)	Nom. CSA of Copper Sheath (mm ²)	Rated Current Capacity (A)	Outer Diameter (mm)	Minimum Bend Radius (mm)	Weight (kg/km)
1 x 1.5	5.8	30	4.9	2xD	97
1 x 2.5	6.4	39	5.3	2xD	105
1 x 4	7.7	51	5.9	2xD	148
2 x 1.5	12.5	23.5	7.9	3xD	230
2 x 2.5	14.6	32	8.7	3xD	284
2 x 4	17.6	42	9.8	3xD	365
3 x 1.5	13.6	20	8.3	3xD	316
3 x 2.5	16.1	27	9.8	3xD	332
3 x 4	19.3	36	10.4	3xD	426
4 x 1.5	15.8	20.5	9.1	3xD	312
4 x 2.5	18.5	27	10.1	3xD	395
4 x 4	22.9	36	11.4	3xD	519

ORDERING INFORMATION

Part Number	Description
50-C1501X	MI Bare Heavy Duty Cable 1C x 1.5 mm ²
50-C2501X	MI Bare Heavy Duty Cable 1C x 2.5 mm ²
50-C4001X	MI Bare Heavy Duty Cable 1C x 4 mm ²
50-C1502X	MI Bare Heavy Duty Cable 2C x 1.5 mm ²
50-C2502X	MI Bare Heavy Duty Cable 2C x 2.5 mm ²
50-C4002X	MI Bare Heavy Duty Cable 2C x 4 mm ²
50-C1503X	MI Bare Heavy Duty Cable 3C x 1.5 mm ²
50-C2503X	MI Bare Heavy Duty Cable 3C x 2.5 mm ²
50-C4003X	MI Bare Heavy Duty Cable 3C x 4 mm ²
50-C1504X	MI Bare Heavy Duty Cable 4C x 1.5 mm ²
50-C2504X	MI Bare Heavy Duty Cable 4C x 2.5 mm ²
50-C4004X	MI Bare Heavy Duty Cable 4C x 4 mm ²

X → RD: Red WH: White OR: Orange

