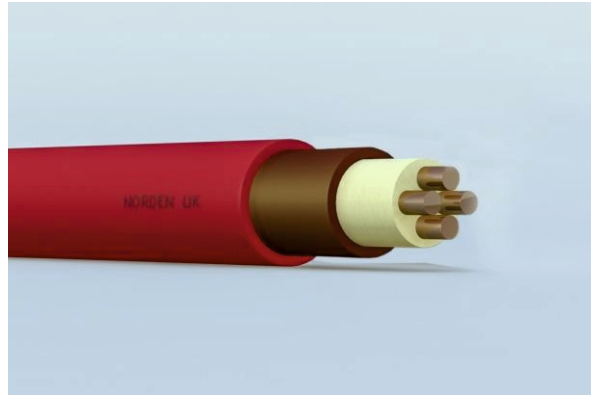


MINERAL INSULATED HEAVY DUTY SERVED CABLE - 750 V



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 and Plus Thermoplastic LSZH 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	6.0 mm ²
Max. Cond. Resistant @ 20 °C	18.0 Ω/Km	12.1 Ω/Km	7.41 Ω/Km	4.61 Ω/Km	3.08 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	10	9.1
6	7	6
16	2.6	2.3
10	4.2	3.6
25	1.65	1.45

MINERAL INSULATED HEAVY DUTY SERVED CABLE - 750 V



PHYSICAL INFORMATION

No. of Core x Nom. Cross section [n x mm]	Nom. CSA of Copper Sheath [mm]	Rated Current Capacity [A]	Outer Diameter [mm]	Minimum Bend Radius [mm]	Weight [kg/km]
1 x 1.5	5.8	33	6.2	2xD	117
1 x 2.5	6.4	43	6.6	2xD	137
1 x 4	7.7	56	7.2	3xD	170
1 x 6	8.93	69	7.7	2XD	206
1 x 16	13.6	119	9.8	6XD	371
2 x 1.5	12.5	26	9.4	3xD	270
2 x 2.5	14.6	36	10.2	3xD	327
2 x 4	17.6	47	11.3	3xD	413
3 x 1.5	13.6	22	9.8	3xD	302
3 x 2.5	16.1	30	10.8	3xD	378
3 x 4	19.3	40	11.9	3xD	477
4 x 1.5	15.8	23	10.6	3xD	358
4 x 2.5	18.5	30	11.6	3xD	444
4 x 4	22.9	40	12.9	4xD	574
4 x 6	26.7	51	14.2	4xD	719
4 x 10	34.36	68	16.3	3XD	997
4 x 16	44.42	89	19.3	6XD	1455
4 x 25	56.01	116	22.6	6xD	1956

ORDERING INFORMATION

Part Number	Description
50-L1501X	MI Served LSZH Cable 1C x 1.5 mm ² (Heavy Duty -750V)
50-L2501X	MI Served LSZH Cable 1C x 2.5 mm ² (Heavy Duty -750V)
50-L4001X	MI Served LSZH Cable 1C x 4 mm ² (Heavy Duty -750V)
50-L1502X	MI Served LSZH Cable 2C x 1.5 mm ² (Heavy Duty -750V)
50-L2502X	MI Served LSZH Cable 2C x 2.5 mm ² (Heavy Duty -750V)
50-L4002X	MI Served LSZH Cable 2C x 4 mm ² (Heavy Duty -750V)
50-L1503X	MI Served LSZH Cable 3C x 1.5 mm ² (Heavy Duty -750V)
50-L2503X	MI Served LSZH Cable 3C x 2.5 mm ² (Heavy Duty -750V)
50-L4003X	MI Served LSZH Cable 3C x 4 mm ² (Heavy Duty -750V)
50-L1504X	MI Served LSZH Cable 4C x 1.5 mm ² (Heavy Duty -750V)
50-L2504X	MI Served LSZH Cable 4C x 2.5 mm ² (Heavy Duty -750V)
50-L4004X	MI Served LSZH Cable 4C x 4 mm ² (Heavy Duty -750V)
50-L6004X	MI Served LSZH Cable 4C x 6 mm ² (Heavy Duty -750V)
50-L6001X	MI Served LSZH Cable 1C x 6 mm ² (Heavy Duty -750V)
50-L1601X	MI Served LSZH Cable 1C x 16 mm ² (Heavy Duty -750V)
50-L1404X	MI Served LSZH Cable 4C x 10 mm ² (Heavy Duty -750V)
50-L1604X	MI Served LSZH Cable 4C x 16 mm ² (Heavy Duty -750V)
50-L1704X	MI Served LSZH Cable 4C x 25 mm ² (Heavy Duty -750V)

X → RD: Red WH: White OR: Orange

