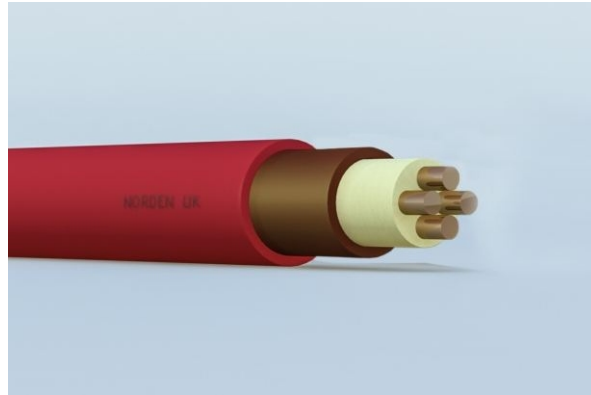


# MINERAL INSULATED HEAVY DUTY SERVED CABLE - 750 V



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 <sup>2</sup>	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	4.0 mm <sup>2</sup>	6.0 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	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)	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

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## 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 Heavy Duty LSZH Cable 1C x 1.5 mm <sup>2</sup>
50-L2501X	MI Served Heavy Duty LSZH Cable 1C x 2.5 mm <sup>2</sup>
50-L4001X	MI Served Heavy Duty LSZH Cable 1C x 4 mm <sup>2</sup>
50-L1502X	MI Served Heavy Duty LSZH Cable 2C x 1.5 mm <sup>2</sup>
50-L2502X	MI Served Heavy Duty LSZH Cable 2C x 2.5 mm <sup>2</sup>
50-L4002X	MI Served Heavy Duty LSZH Cable 2C x 4 mm <sup>2</sup>
50-L1503X	MI Served Heavy Duty LSZH Cable 3C x 1.5 mm <sup>2</sup>
50-L2503X	MI Served Heavy Duty LSZH Cable 3C x 2.5 mm <sup>2</sup>
50-L4003X	MI Served Heavy Duty LSZH Cable 3C x 4 mm <sup>2</sup>
50-L1504X	MI Served Heavy Duty LSZH Cable 4C x 1.5 mm <sup>2</sup>
50-L2504X	MI Served Heavy Duty LSZH Cable 4C x 2.5 mm <sup>2</sup>
50-L4004X	MI Served Heavy Duty LSZH Cable 4C x 4 mm <sup>2</sup>
50-L6004X	MI Served Heavy Duty LSZH Cable 4C x 6 mm <sup>2</sup>
50-L6001X	MI Served Heavy Duty LSZH Cable 1C x 6 mm <sup>2</sup>
50-L1601X	MI Served Heavy Duty LSZH Cable 1C x 16 mm <sup>2</sup>
50-L1404X	MI Served Heavy Duty LSZH Cable 4C x 10 mm <sup>2</sup>
50-L1604X	MI Served Heavy Duty LSZH Cable 4C x 16 mm <sup>2</sup>
50-L1704X	MI Served Heavy Duty LSZH Cable 4C x 25 mm <sup>2</sup>

X → RD: Red WH: White OR: Orange

