

TECHNICAL DATA SHEET
MINERAL INSULATED CABLE (HEAVY DUTY)
BARE COPPER

Manufacturing Standard

BS EN 60702 Part 1

Fire Performance

BS6387 C-W-Z – LPCB

BS EN50200 PH30, PH60, PH120

BS8434-2

BS8519 Power & Control CAT 1, 2 & 3

BS8491



Construction

- Class 1 Plain Annealed Copper Conductor to BS EN60228
- Compressed Magnesium Oxide Powder Insulation
- Solid Copper Sheath
- Low Smoke Zero Halogen Sheathed

Voltage Rating 750 Volt

Operating Temp -10°C to +250°C

Bending Radius 6 x Overall Diameter

MINERAL INSULATED CABLE (HEAVY DUTY) BARE COPPER

TECHNICAL DATA

Cable Reference	No of Cores and CSA	Current Rating (Exposed)		Voltage Drop		Max Conductor Resistance at 20°C	CSA of Copper Sheath	Nominal Overall Diameter	Nominal Weight
		Single Phase ac or dc	Three Phase ac	Single Phase ac or dc	Three Phase ac				
	mm ²	Amps	Amps	mV/A/m	mV/A/m	Ohm/Km	mm ²	mm	Kg/Km
1H 6.0	1 x 6	51	47	7.00	6.00	3.08	8.00	6.40	173
1H 10	1 x 10	69	63	4.20	3.60	1.83	9.00	7.30	233
1H 16	1 x 16	92	83	2.60	2.30	1.15	12.00	8.30	321
1H 25	1 x 25	120	108	1.65	1.45	0.727	15.00	9.60	456
1H 35	1 x 35	147	132	1.20	1.05	0.524	18.00	10.70	600
1H 50	1 x 50	182	163	0.91	0.79	0.387	22.00	12.10	782
1H 70	1 x 70	222	199	0.64	0.55	0.268	27.00	13.70	1087
1H 95	1 x 95	266	238	0.49	0.41	0.193	32.00	15.40	1450
1H 120	1 x 120	306	273	0.41	0.33	0.153	37.00	16.80	1790
1H 150	1 x 150	349	311	0.34	0.29	0.124	44.00	18.40	2130
1H 185	1 x 185	396	353	0.29	0.25	0.101	54.00	20.40	2425
1H 240	1 x 240	463	411	0.25	0.21	0.0775	70.00	23.30	3146

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		Single Phase ac or dc	Three Phase ac	Single Phase ac or dc	Three Phase ac				
	mm ²	Amps	Amps	mV/A/m	mV/A/m	Ohm/Km	mm ²	mm	Kg/Km
2H 1.5	2 x 1.5	23	-	28.00	-	12.1	11.00	7.90	224
2H 2.5	2 x 2.5	31	-	17.00	-	7.41	13.00	8.70	275
2H 4.0	2 x 4.0	41	-	10.00	-	4.61	16.00	9.80	355
2H 6.0	2 x 6.0	51	-	7.00	-	3.08	18.00	10.90	433
2H 10	2 x 10	69	-	4.20	-	1.83	24.00	12.70	637
2H 16	2 x 16	92	-	2.60	-	1.15	30.00	14.70	888
2H 25	2 x 25	120	-	1.65	-	0.727	38.00	17.10	1175
3H 1.5	3 x 1.5	-	19	-	24.00	12.1	12.00	8.30	253
3H 2.5	3 x 2.5	-	25	-	14.00	7.41	14.00	9.30	324
3H 4.0	3 x 4.0	-	33	-	9.10	4.61	17.00	10.40	416
3H 6.0	3 x 6.0	-	43	-	6.00	3.08	20.00	11.50	530
3H 10	3 x 10	-	59	-	3.60	1.83	27.00	13.60	783
3H 16	3 x 16	-	77	-	2.30	1.15	34.00	15.60	1000
3H 25	3 x 25	-	101	-	1.45	0.727	42.00	18.20	1442
4H 1.5	4 x 1.5	-	19	-	24.00	12.1	14.00	9.10	303
4H 2.5	4 x 2.5	-	25	-	14.00	7.41	16.00	10.10	385
4H 4.0	4 x 4.0	-	33	-	9.10	4.61	20.00	11.40	517
4H 6.0	4 x 6.0	-	42	-	6.00	3.08	24.00	12.70	658
4H 10	4 x 10	-	58	-	3.60	1.83	30.00	14.80	980
4H 16	4 x 16	-	77	-	2.30	1.15	39.00	17.30	1300
4H 25	4 x 25	-	99	-	1.45	0.727	49.00	20.10	1800