

TECHNICAL DATASHEET – R8

Limited Fire Hazard Mineral Insulated



Specification EME-SP-14-028
Voltage Rating 500V (Light Duty)
Description Solid plain copper conductors,
 Magnesium Oxide insulation, cores laid up,
 Plain copper sheath, LFH sheath

Cable Reference	No. of cores & Nominal Cross Sectional Area of Conductor	Current Rating (Exposed)		Voltage Drop		Maximum DC Conductor Resistance @ 20°C	Cross Sectional Area of Copper Sheath	Nominal Overall Diameter	Nominal Weight
		Single Phase ac or dc	Three Phase ac	Single Phase ac or dc	Three Phase ac				
	no x mm ²	Amps	Amps	mV/A/M	mV/A/M	Ω/Km	mm ²	mm	Kg/Km
2L1.00	2 x 1.00	18.50	-	42.00	-	18.10	5.40	6.40	126.00
2L1.50	2 x 1.50	23.00	-	28.00	-	12.10	6.30	7.00	154.00
2L2.50	2 x 2.50	31.00	-	17.00	-	7.41	8.20	7.90	206.00
2L4.00	2 x 4.00	40.00	-	10.00	-	4.61	10.70	9.20	322.00
3L1.00	3 x 1.00	-	15.00	-	36.00	18.10	6.70	7.10	159.00
3L1.50	3 x 1.50	-	19.00	-	24.00	12.10	7.80	7.70	194.00
3L2.50	3 x 2.50	-	26.00	-	14.00	7.41	9.50	8.80	272.00
4L1.00	4 x 1.00	-	15.00	-	36.00	18.10	7.70	7.60	187.00
4L1.50	4 x 1.50	-	19.00	-	24.00	12.10	9.10	8.30	231.00
4L2.50	4 x 2.50	-	26.00	-	14.00	7.41	11.30	9.60	336.00
7L1.50	7 x 1.50	13.00	-	28.00	-	12.10	11.80	9.90	351.00
7L2.50	7 x 2.50	17.50	-	17.00	-	7.41	15.40	11.20	475.00

General Note
 AEI Cables reserves the right to amend the product information without notice or liability.
 The information is considered accurate at the time of going to print.



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TECHNICAL DATASHEET – R8

Limited Fire Hazard Mineral Insulated



Specification EME-SP-14-028
Voltage Rating 750V (Heavy Duty)
Description Solid plain copper conductors,
Magnesium Oxide insulation, cores laid up,
Plain copper sheath, LFH sheath

Cable Reference	No. of cores & Nominal Cross Sectional Area of Conductor	Current Rating (Exposed)		Voltage Drop		Maximum DC Conductor Resistance @ 20°C	Cross Sectional Area of Copper Sheath	Nominal Overall Diameter	Nominal Weight
		Single Phase ac or dc	Three Phase ac	Single Phase ac or dc	Three Phase ac				
	no x mm ²	Amps	Amps	mV/A/M	mV/A/M	Ω/Km	mm ²	mm	Kg/Km
1H6.00	1 x 6.00	57.00	52.00	7.00	6.00	3.08	8.00	7.70	213.00
1H10.00	1 x 10.00	77.00	70.00	4.20	3.60	1.83	9.00	8.80	273.00
1H16.00	1 x 16.00	102.00	92.00	2.60	2.30	1.15	12.00	9.80	361.00
1H25.00	1 x 25.00	133.00	120.00	1.65	1.45	0.727	15.00	11.10	506.00
1H35.00	1 x 35.00	163.00	147.00	1.20	1.05	0.524	18.00	12.20	650.00
1H50.00	1 x 50.00	202.00	181.00	0.91	0.79	0.387	22.00	13.60	842.00
1H70.00	1 x 70.00	247.00	221.00	0.64	0.55	0.268	27.00	15.20	1147.00
1H95.00	1 x 95.00	296.00	264.00	0.49	0.41	0.193	32.00	17.40	1520.00
1H120.00	1 x 120.00	340.00	303.00	0.41	0.33	0.153	37.00	18.80	1870.00
1H150.00	1 x 150.00	388.00	346.00	0.34	0.29	0.124	44.00	20.40	2230.00
1H185.00	1 x 185.00	440.00	392.00	0.29	0.25	0.101	54.00	23.20	2575.00
1H240.00	1 x 240.00	514.00	457.00	0.25	0.21	0.0775	70.00	26.10	3312.00

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Voltage Rating 750V (Heavy Duty)
Description Solid plain copper conductors,
 Magnesium Oxide insulation, cores laid up,
 Plain copper sheath, LFH sheath

Cable Reference	No. of cores & Nominal Cross Sectional Area of Conductor	Current Rating (Exposed)		Voltage Drop		Maximum DC Conductor Resistance @ 20°C	Cross Sectional Area of Copper Sheath	Nominal Overall Diameter	Nominal Weight
		Single Phase ac or dc	Three Phase ac	Single Phase ac or dc	Three Phase ac				
	no x mm ²	Amps	Amps	mV/A/M	mV/A/M	Ω/Km	mm ²	mm	Kg/Km
2H1.50	2 x 1.50	25.00	-	28.00	-	12.10	11.00	9.40	259.00
2H2.50	2 x 2.50	34.00	-	17.00	-	7.41	13.00	10.20	314.00
2H4.00	2 x 4.00	45.00	-	10.00	-	4.61	16.00	11.30	398.00
2H6.00	2 x 6.00	57.00	-	7.00	-	3.08	18.00	12.40	483.00
2H10.00	2 x 10.00	77.00	-	4.20	-	1.83	24.00	14.20	697.00
2H16.00	2 x 16.00	102.00	-	2.60	-	1.15	30.00	16.20	968.00
2H25.00	2 x 25.00	133.00	-	1.65	-	0.727	38.00	19.10	1275.00
3H1.50	3 x 1.50	-	21.00	-	24.00	12.10	12.00	9.80	290.00
3H2.50	3 x 2.50	-	28.00	-	14.00	7.41	14.00	10.80	365.00
3H4.00	3 x 4.00	-	37.00	-	9.10	4.61	17.00	11.90	461.00
3H6.00	3 x 6.00	-	48.00	-	6.00	3.08	20.00	13.00	590.00
3H10.00	3 x 10.00	-	65.00	-	3.60	1.83	27.00	15.10	853.00
3H16.00	3 x 16.00	-	86.00	-	2.30	1.15	34.00	17.10	1080.00
3H25.00	3 x 25.00	-	112.00	-	1.45	0.727	42.00	20.20	1548.00
4H1.50	4 x 1.50	-	21.00	-	24.00	12.10	14.00	10.60	344.00
4H2.50	4 x 2.50	-	28.00	-	14.00	7.41	16.00	11.60	430.00
4H4.00	4 x 4.00	-	37.00	-	9.10	4.61	20.00	12.90	577.00
4H6.00	4 x 6.00	-	47.00	-	6.00	3.08	24.00	14.20	718.00
4H10.00	4 x 10.00	-	64.00	-	3.60	1.83	30.00	16.30	1050.00
4H16.00	4 x 16.00	-	85.00	-	2.30	1.15	39.00	19.30	1390.00
4H25.00	4 x 25.00	-	110.00	-	1.45	0.727	49.00	22.30	1943.00

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		Single Phase ac or dc	Three Phase ac	Single Phase ac or dc	Three Phase ac				
	no x mm ²	Amps	Amps	mV/A/M	mV/A/M	Ω/Km	mm ²	mm	Kg/Km
7H1.50	7 x 1.50	14.50	-	28.00	-	12.10	18.00	12.30	478.00
7H2.50	7 x 2.50	19.50	-	17.00	-	7.41	22.00	13.60	614.00
12H2.50	12 x 2.50	16.00	-	17.00	-	7.41	34.00	17.90	970.00
19H1.50	19 x 1.50	10.00	-	28.00	-	12.10	37.00	18.90	1086.00

Current ratings assume that all cores fully loaded.

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