

TECHNICAL DATA SHEET

Low Smoke Zero Halogen (LSZH) Cable AS PER BS 7211:2012

Dimension of Single Core ZHFR Insulated Flexible Copper Conductor (unsheathed) Heavy Duty Electric wires

Nominal Cross sectional Area (mm ²)	Thickness of Ins. (Nom.) mm	Mean overall diameter (mm)		Resistance Max. $\Omega/\text{km}@20^{\circ}\text{C}$	Minimum Insulation resistance at 90°C
		Lower limit	Upper limit		
0.50	0.6	1.9	2.4	39.0	0.015
0.75	0.6	2.1	2.6	26.0	0.012
1.0	0.6	2.2	2.8	19.5	0.011
1.5	0.7	2.8	3.5	13.3	0.010
2.5	0.8	3.4	4.3	7.98	0.009
4	0.8	3.9	4.9	4.95	0.007
6	0.8	4.4	5.5	3.30	0.006
10	1.0	5.7	7.1	1.91	0.0056
16	1.0	6.7	8.4	1.21	0.0046
25	1.2	8.4	10.6	0.780	0.0044
35	1.2	9.7	12.1	0.554	0.0038
50	1.4	11.5	14.4	0.386	0.0037
70	1.4	13.2	16.6	0.272	0.0032
95	1.6	15.1	18.8	0.206	0.0032
120	1.6	16.7	20.9	0.161	0.0029
150	1.8	18.6	23.3	0.129	0.0029
185	2.0	20.6	25.8	0.106	0.0029
240	2.2	23.5	29.4	0.0801	0.0028

Dimension of thermosetting circular 2 core, 3 core, 4 core & 5 core sheathed cables, 450/750 V

Nominal Cross sectional Area (mm ²)	Class of conductor	Radial thickness of insulation (mm)	Thickness of optional inner covering (approx.) (mm)	Radial thickness of sheath (mm)	Mean overall dia (mm)		Min Insulation resistance at 90°C M Ω .km
					Lower Limit	Upper Limit	
2X1.0	1	0.7	0.4	1.2	7.1	9.5	0.011
	2	0.7	0.4	1.2	7.3	9.7	0.011
2X1.0	1	0.7	0.4	1.2	7.6	10.1	0.011
	2	0.7	0.4	1.2	7.8	10.3	0.010
2X2.5	1	0.7	0.4	1.2	8.4	11.0	0.0092
	2	0.7	0.4	1.2	8.5	11.3	0.0084
2X4.0	1	0.7	0.4	1.2	9.2	12.1	0.0077
	2	0.7	0.4	1.2	9.5	12.4	0.0070
2X6.0	1	0.7	0.4	1.2	10.2	13.2	0.0065
	2	0.7	0.4	1.2	10.6	13.7	0.0059
2X10	1	0.7	0.4	1.4	12.1	16.0	0.0053
	2	0.7	0.6	1.4	12.7	16.7	0.0047
2X16	2	0.7	0.6	1.4	14.4	18.8	0.0039
2X25	2	0.9	0.8	1.4	17.7	23.2	0.0039
2X35	2	0.9	0.8	1.6	20.0	26.0	0.0034
3X1.0	1	0.7	0.4	1.2	7.5	10.0	0.011
	2	0.7	0.4	1.2	7.7	10.2	0.011

We are just a call away to answer all your queries!

G.K. ENTERPRISES PRIVATE LIMITED

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3X1.5	1	0.7	0.4	1.2	8.0	10.6	0.011
	2	0.7	0.4	1.2	8.2	10.9	0.010
3X2.5	1	0.7	0.4	1.2	8.8	11.6	0.0092
	2	0.7	0.4	1.2	9.0	11.9	0.0084
3x4.0	1	0.7	0.4	1.2	9.8	12.7	0.0077
	2	0.7	0.4	1.2	10.1	13.1	0.0070

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