

318*B H05Z1Z1-F LSOH Technical Data Sheet



Rated Voltage	Max. Operating Temperature	Min. Temperature of Insulation	Max Temperature of Short Circuit	Min. Internal Bending Radius	Max. Mechanical Stress
300/500V	70°C	-5°C	150°C	6xD	5 Kg/mm ²

<u>Conductors:</u>	Class 5 flexible bare copper to EN 60228, IEC 60228
<u>Insulation:</u>	Low Smoke Zero Halogen thermoplastic compound Type TI6
<u>Sheath:</u>	Low smoke Zero Halogen thermoplastic compound Type TM7
<u>Core colours:</u>	2 core: Blue, Brown 3 core: Blue, Brown, Green/Yellow 4 core: Grey, Brown, Black, Green/Yellow 5 core: Blue, Brown, Black, Grey, Green/Yellow
<u>Standards:</u>	HD21.14. EN 50525-3-11, RoHS 2011/65/UE Flame retardant to EN 50265/2-1, IEC 60332-1, EN 60332-1-2 Halogen free to EN 50267/-2-1, IEC 60754/1 Smoke Emission to EN 61034-2
<u>Application:</u>	Used for indoor general wiring primarily in public areas e.g. hospitals, airports, and schools. For installation where fire and smoke emissions can cause threat to equipment and potentially a threat to life. This cable is not suitable in elevated temperature zones, near incandescent lamps and luminaires, outdoor use, wiring of industrial, agricultural or non domestic portable appliances

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Conductor Size (n° x mm ²)	Overall Diameter (mm)	Indicative Weight of Cable (g/m)	Conductor Diameter of wires (mm)	Max. Conductor Resistance (ohm/km at 20°C)	Insulation Thickness (mm)		Sheath Thickness (mm)		Current ratings (A) With Ambient Temp Lower Than:			
					Max	Min	Max	Min	30°C FM*	30°C FI*	30°C PL*	20°C EL*
2 x 0.75	6.2	53	0.210	26.0	0.6	0.44	0.8	0.58	6	7	NP	NP
3 x 0.75	6.6	65	0.210	26.0	0.6	0.44	0.8	0.58	6	7	NP	NP
4 x 0.75	7.2	79	0.210	26.0	0.6	0.44	0.8	0.58	6	7	NP	NP
5 x 0.75	8	99	0.210	26.0	0.6	0.44	0.9	0.66	6	7	NP	NP
2 x 1	6.6	62	0.210	19.5	0.6	0.44	0.8	0.58	10	11	NP	NP
3 x 1	7	76	0.210	19.5	0.6	0.44	0.8	0.58	10	11	NP	NP
4 x 1	7.8	97	0.210	19.5	0.6	0.44	0.9	0.66	10	11	NP	NP
5 x 1	8.6	119	0.210	19.5	0.6	0.44	0.9	0.66	10	11	NP	NP
2 x 1.5	7.6	84	0.260	13.3	0.7	0.53	0.8	0.58	16	19.5	NP	NP
3 x 1.5	8.2	105	0.260	13.3	0.7	0.53	0.9	0.66	16	17.5	NP	NP
4 x 1.5	9.3	137	0.260	13.3	0.7	0.53	1.0	0.75	16	17.5	NP	NP
5 x 1.5	10.3	170	0.260	13.3	0.7	0.53	1.1	0.84	16	17.5	NP	NP
2 x 2.5	9.2	127	0.260	7.98	0.8	0.62	1.0	0.75	20	26	NP	NP
3 x 2.5	10	161	0.260	7.98	0.8	0.62	1.1	0.84	20	24	NP	NP
4 x 2.5	10.9	199	0.260	7.98	0.8	0.62	1.1	0.84	20	24	NP	NP
5 x 2.5	12.10	247	0.260	7.98	0.8	0.62	1.2	0.92	20	24	NP	NP
3 x 4	11.4	224	0.310	4.95	0.8	0.62	1.2	0.92	25	32	NP	NP
4 x 4	12.5	281	0.310	4.95	0.8	0.62	1.2	0.92	25	32	NP	NP
5 x 4	14.10	356	0.310	4.95	0.8	0.62	1.4	1.09	25	32	NP	NP

* FM = Free movement, FI = Fixed installation, PL = Pipe laying, EL = Earth laying.