

goldwing

CABLE LIMITED

Technical data sheet HO5Z1Z1-F LSOH



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>	Flexible cord in plain or tinned copper. (class 5)
<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>	Harmonised D21.14 EN50525-3-11, RoHS 2011/65/UE. Flame retardant to (EN50265/2-1, IEC60332-1). Halogen free to EN 50267/-2-1, IEC 60754/1.
<u>Guide to use:</u>	For applications where low smoke zero halogen emissions and corrosive gasses are required when exposed to fire. E.g. hospitals, airports and schools. This cable is suitable for household or office appliances and for applications that undergo medium mechanical stresses. This cable is not suitable in elevated temperature zones near incandescent lamps and luminaries, outdoor use, wiring of industrial, agricultural or non domestic portable appliances.

Size (n° x mm ²)	Overall Diameter (mm)	Indicative weight of Cable (g/m)	Conductor Diameter of wires (mm)	Conductor Max Resistance (ohm/km at 20°C)		Insulation thickness (mm)		Sheath Thickness (mm)		Current ratings (A) With ambient temp lower than:			
				RedCu	StnCu	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	26,000	26,700	0.6	0.44	0.8	0.58	6	7	NP	NP
3 x 0.75	6.6	65	0.210	26,000	26,700	0.6	0.44	0.8	0.58	6	7	NP	NP
4 x 0.75	7.2	79	0.210	26,000	26,700	0.6	0.44	0.8	0.58	6	7	NP	NP
5 x 0.75	8	99	0.210	26,000	26,700	0.6	0.44	0.9	0.66	6	7	NP	NP
2 x 1	6.6	63	0.210	19,500	20,000	0.6	0.44	0.8	0.58	10	11	NP	NP
3 x 1	7	76	0.210	19,500	20,000	0.6	0.44	0.8	0.58	10	11	NP	NP
4 x 1	7.8	97	0.210	19,500	20,000	0.6	0.44	0.9	0.66	10	11	NP	NP
5 x 1	8.6	119	0.210	19,500	20,000	0.6	0.44	0.9	0.66	10	11	NP	NP
2 x 1.5	7.6	84	0.260	13,300	13,700	0.7	0.53	0.8	0.58	16	19.5	NP	NP
3 x 1.5	8.2	105	0.260	13,300	13,700	0.7	0.53	0.9	0.66	16	19.5	NP	NP
4 x 1.5	9.3	137	0.260	13,300	13,700	0.7	0.53	1.0	0.75	16	19.5	NP	NP
5 x 1.5	10.3	170	0.260	13,300	13,700	0.7	0.53	1.1	0.84	16	19.5	NP	NP
2 x 2.5	9.2	127	0.260	7,980	8,210	0.8	0.62	1.0	0.75	20	26	NP	NP
3 x 2.5	10	161	0.260	7,980	8,210	0.8	0.62	1.1	0.84	20	26	NP	NP
4 x 2.5	10.9	199	0.260	7,980	8,210	0.8	0.62	1.1	0.84	20	26	NP	NP
5 x 2.5	12.10	247	0.260	7,980	8,210	0.8	0.62	1.2	0.92	20	26	NP	NP
2 x 4	10.6	178	0.310	4,950	5,090	0.8	0.62	1.1	0.84	25	34	NP	NP
3 x 4	11.4	224	0.310	4,950	5,090	0.8	0.62	1.2	0.92	25	34	NP	NP
4 x 4	12.5	281	0.310	4,950	5,090	0.8	0.62	1.2	0.92	25	34	NP	NP
5 x 4	14.10	356	0.310	4,950	5,090	0.8	0.62	1.4	1.09	25	34	NP	NP

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