

# LSZH TINNED APPLIANCE WIRE 110 DEGREE

HALOGEN-FREE, LOW SMOKE, HIGH TEMPERATURE, FLAME RETARDANT FLEXIBLE CABLES



### Construction

Flexible tinned copper wire stranding class 5 (0,5-10mm<sup>2</sup>), or class 6 (16 and more) according to IEC 60228 and AS/NZS 1125.

### Insulation

Cross-linked, halogen-free, flame retardant compound type X-HF-110 acc. to AS/NZS 3808, chemical ,oil and UV resistant.

### Applications

Wiring of switchboards, control, general wiring, instrumentation and communication systems. Used where LSZH is needed and where higher current ratings are required.

### Nominal Voltage

» 0,6/1kV

### Test Voltage

» 3000V

### Temperature Rating

» 110°C

### Standards

- » **Cable Construction:** AS/NZS 5000.1
- » **Flame retardant:** AS/NZS 1660.5.1; IEC 60332-3-22 Cat. A; IEC 60332-1
- » **Smoke density:** AS/NZS 1660.5.2; IEC 61034-2
- » **Halogen acid gas content:** AS/NZS 1660.5.3, IEC 60754-1
- » **Gases evolved during combustion:** AS/NZS 1660.5.4, IEC 60754-2

Conductor	0.5mm <sup>2</sup>	0.75mm <sup>2</sup>	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup>	6mm <sup>2</sup>	10mm <sup>2</sup>	16mm <sup>2</sup>
Cable OD	2.3mm	2.5mm	2.6mm	2.9mm	3.4mm	3.9mm	4.4mm	5.4mm	6.4mm
Earth	8101100	8101110	8101120	8101130	8101140	8101150	8101160	8101170	8101180
Black	8101101	8101111	8101121	8101131	8101141	8101151	8101161	8101171	8101181
Red	8101104	8101114	8101124	8101134	8101144	8101154	8101164	8101174	8101184
White	8101105	8101115	8101125	8101135	8101145	8101155	8101165	8101175	8101185
Blue	8101102	8101112	8101122	8101132	8101142	8101152	8101162	8101172	8101182
Brown	8101103	8101113	8101123	8101133	8101143				
Grey	8101106	8101116	8101126	8101136	8101146				
Orange	8101109	8101119	8101129	8101139					
Violet	8101107	8101117	8101127	8101137					
Pink	8101108	8101118	8101128	8101138					
Yellow	81011011	81011111	81011211	81011311					

## CURRENT RATINGS FOR 110 APPLIANCE WIRE

Conductor cross-sectional area	Unenclosed						Enclosed	
	Spaced		Spaced from surface		Touching		Conduit in air	
mm <sup>2</sup>	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu
1	25	24	24	21	20	20	20	17
1.5	32	31	31	27	25	25	25	22
2.5	45	43	44	38	36	36	35	32
4	59	57	58	50	47	47	46	41
6	75	73	73	63	59	59	58	51
10	105	99	99	86	81	81	78	71
16	135	130	130	115	105	105	105	93

These ratings are based on 40°C ambient air temperature and 25°C ambient soil temperature.

