

LSHF Tinned Appliance Wire 110 Degree

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

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Construction

Flexible tinned copper wire stranding class 5 (0,5-10mm²), 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

» 600/1000V

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 ²	0.75mm ²	1mm ²	1.5mm ²	2.5mm ²	4mm ²	6mm ²	10mm ²	16mm ²
Cable OD	2.3mm	2.5mm	2.6mm	2.9mm	3.4mm	3.9mm	4.4mm	5.4mm	6.4mm
Earth	3801000-LSZH	3801010-LSZH	3801020-LSZH	3801030-LSZH	3801040-LSZH	3801050-LSZH	3801060-LSZH	136326	136327
Black	3801001-LSZH	3801011-LSZH	3801021-LSZH	3801031-LSZH	3801041-LSZH	3801051-LSZH	3801061-LSZH	3801071-LSZH	3801081-LSZH
Red	3801004-LSZH	3801014-LSZH	3801024-LSZH	3801034-LSZH	3801044-LSZH	3801054-LSZH	3801064-LSZH	3801074-LSZH	3801084-LSZH
White	3801005-LSZH	3801015-LSZH	3801025-LSZH	3801035-LSZH	3801045-LSZH	3801055-LSZH	3801065-LSZH	3801075-LSZH	3801085-LSZH
Blue	3801002-LSZH	3801012-LSZH	3801022-LSZH	3801032-LSZH	3801042-LSZH	3801052-LSZH	3801062-LSZH	3801072-LSZH	3801082-LSZH
Brown	3801003-LSZH	3801013-LSZH	3801023-LSZH	3801033-LSZH	3801043-LSZH				
Grey	3801006-LSZH	3801016-LSZH	3801026-LSZH	3801036-LSZH	3801046-LSZH				
Orange	3801009-LSZH	3801019-LSZH	3801029-LSZH	3801039-LSZH					
Violet	3801007-LSZH	3801017-LSZH	3801027-LSZH	3801037-LSZH					
Pink	3801008-LSZH	3801018-LSZH	3801028-LSZH	3801038-LSZH					
Yellow	38010011-LSZH	38010111-LSZH	38010211-LSZH	38010311-LSZH					

CURRENT RATINGS FOR 110 APPLIANCE WIRE

Conductor cross-sectional area	Unenclosed						Enclosed	
	Spaced		Spaced from surface		Touching		Conduit in air	
mm ²								
1	Cu	Cu	Cu	Cu	Cu	Cu	Cu	Cu
1	27	26	26	22	21	21	21	18
1.5	34	33	33	29	27	27	27	24
2.5	48	46	47	41	39	39	37	34
4	63	61	62	54	50	50	49	44
6	80	78	78	67	63	63	62	55
10	112	106	106	92	87	87	83	76
16	144	139	139	123	112	112	112	100

These ratings are based on an ambient air temperature of 30° C, and an ambient soil temperature of 15° C.

