

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

## 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.

