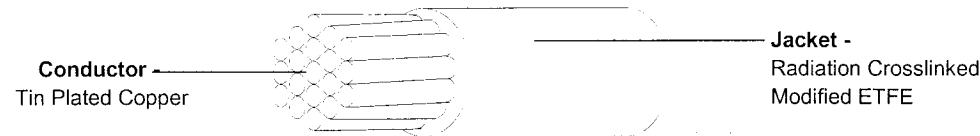


HIGH TEMPERATURE HOOKUP WIRE, TIN PLATED COPPER, RADIATION-CROSSLINKED,  
MODIFIED ETFE INSULATED, 200°C, 600 VOLT

The complete requirements for procuring the wire described herein shall consist of this document, the Test Regime WSD 3106 (UK) and the requirements of the issue in effect WCD 3106, UL style 3557 and carries UL labels to this effect.



Part Number	Nominal CSA (mm <sup>2</sup> )	Conductor Stranding No/Dia (mm)	Conductor Diameter (mm)		Maximum Resistance @20 °C (ohms/km)	FINISHED WIRE				Crosslink Verification Test	
			Min	Max		Diameter (mm)		Nominal Weight (kg/km)	Mandrel Dia (mm) (±3%)		Weight (kg) (±3%)
						Target	Upper Spec Limit		Lower Spec Limit	Weight	
FLHTC0311-0.25*	0.25	19/0.13	0.55	0.63	83.3	0.96	1.00	1.03	2.95	9.5	0.23
FLHTC0311-0.35*	0.35	19/0.15	0.74	0.76	52.2	1.12	1.16	1.19	4.22	13	0.36
FLHTC0311-0.50*	0.50	19/0.19	0.86	0.88	40.1	1.24	1.27	1.31	5.59	13	0.5
FLHTC0311-0.75*	0.75	19/0.23	1.05	1.08	24.7	1.43	1.47	1.51	7.95	13	0.5
FLHTC0311-1.00*	1.00	19/0.25	1.17	1.26	20.0	1.58	1.62	1.66	9.9	13	0.5
FLHTC0311-1.50*	1.50	19/0.32	1.35	1.58	13.7	1.82	1.87	1.92	15.7	19	0.68
FLHTC0311-2.00*	2.00	19/0.36	1.66	1.79	9.7	2.05	2.10	2.16	18.7	25	0.91
FLHTC0311-2.50*	2.50	19/0.41	1.85	2.01	8.2	2.24	2.31	2.38	24.6	38	1.36

**PART NUMBER:-**

The '\*' in the part number shall be replaced by a standard colour code designator.  
eg: FLHTC0311-1.50-9 is 1.50mm<sup>2</sup>, white insulation

**INSULATION THICKNESS:-**

Sizes 0.25 - 2.00      0.15 mm minimum; 0.165 mm (minimum average)  
Size 2.50                0.165 mm minimum; 0.178 mm (minimum average)

**ADDITIONAL REQUIREMENTS:-**

Crosslink Verification:      Time/temperature - WCD3106 clause 3.3.4; voltage withstand - 2.5 kV; mandrels & weights as shown

Insulation Tensile Strength:      37.7 N/mm<sup>2</sup> minimum  
Insulation Elongation:            100% minimum

Deformation Test:                To UL Factory Inspection Procedure, Subject 758 (Page 40), Style 3557 at 200°C  
T2/T1 minimum = 0.80

Thermal Stability:                7 days @ 232°C; Insulation elongation 60% minimum,  
Insulation Tensile Strength 34.5 N/mm<sup>2</sup> minimum

Shrinkage:                         3 mm maximum at each end at 200°C/1 hour

Insulation Resistance:            1524 Mohm.km minimum

Spark Test:                         8.0 kV Impulse