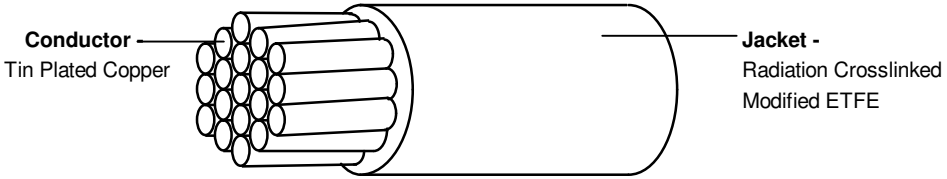
Specification Control Drawing

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 issue in effect of Test Regime WSD 3106 (UK), WCD3106, UL Subject 758, Style 3557, File E38136 and carries UL labels to this effect.



Part Description	Nominal CSA (mm²)	Conductor Stranding No./ Diam. (mm)	Conductor Diameter (mm)		FINISHED WIRE						
					Maximum Resistance @ 20°C (ohms/ km)	Diameter (mm)			Nominal Weight (kg/ km)	Crosslink Verification Test	
			Min.	Max.		Lower Spec Limit	Target	Upper Spec Limit		Mandrel OD (mm) (±3%)	Weight (kg) (±3%)
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	0.50
FLHTC0311-0.75-*	0.75	19/0.23	1.05	1.08	24.7	1.43	1.47	1.51	7.95	13	0.50
FLHTC0311-1.00-*	1.00	19/0.25	1.17	1.26	20.0	1.58	1.62	1.66	9.9	13	0.50
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 DESCRIPTION: The '*' in the part description shall be replaced by a standard colour code designator, e.g. FLHTC0311-1.50-9 is 1.50mm², 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 and weights as shown

Insulation Tensile Strength: 37.7 N/mm² 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/mm² 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

Tyco Electronics UK Ltd
Faraday Road
Dorcan
SWINDON
SN3 5HH
Tel: +44 (0)1793 528171
Fax: +44 (0)1793 572516