



Part Description	Nominal CSA (mm <sup>2</sup> )	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		
					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 1.50mm<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 and 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

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