

SPECIFICATION CONTROL DRAWING

FLHT+0321

TITLE	Date	Revision
TWO CONDUCTOR CABLE, UNSHIELDED, UNJACKETED, 600 VOLT	10-12-07	D

The complete requirements for procuring the wire described herein shall consist of this document and the issue in effect of Raychem Specification WCD 3106 and UL Subject 758, Style 3557, File E303150 and carries UL labels to this effect.

COMPONENT WIRES - FLHT+0311

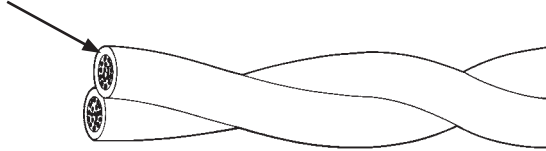


TABLE I. CABLE CONSTRUCTION DETAILS				
PART NUMBER <i>1/</i>	CONDUCTOR SIZE (AWG)	OUTSIDE DIAMETER (inch) (<i>mm</i>)		NOMINAL WEIGHT (lbs/1000 ft.) (<i>kg/km</i>)
		NOMINAL	MAXIMUM	
FLHTC0321-26-*	26	.063 (<i>1.60</i>)	.066 (<i>1.68</i>)	2.59 (<i>3.85</i>)
FLHTC0321-24-*	24	.073 (<i>1.85</i>)	.076 (<i>1.93</i>)	3.77 (<i>5.61</i>)
FLHTC0321-22-*	22	.085 (<i>2.16</i>)	.088 (<i>2.24</i>)	5.59 (<i>8.32</i>)
FLHTC0321-20-*	20	.101 (<i>2.57</i>)	.104 (<i>2.64</i>)	8.51 (<i>12.66</i>)
FLHTC0321-18-*	18	.120 (<i>3.05</i>)	.123 (<i>3.12</i>)	12.93 (<i>19.24</i>)
FLHTC0321-16-*	16	.135 (<i>3.43</i>)	.139 (<i>3.53</i>)	16.50 (<i>24.55</i>)
FLHTC0321-14-*	14	.164 (<i>4.17</i>)	.168 (<i>4.27</i>)	25.48 (<i>37.92</i>)
FLHTD0321-12-*	12	.202 (<i>5.13</i>)	.207 (<i>5.26</i>)	39.35 (<i>58.56</i>)

The "+" in the part number in the upper right hand corner shall be replaced with a letter designator to define conductor stranding (see part numbers in tables).
 B = 7 Strands C = 19 Strands D = 37 Strands

Due to UL limitations on the usage of small strand bare and tin plated conductors, products with conductor strand diameters less than .015" (.381 mm) are intended for dry locations only. All spool/reel labels shall include " For Dry Locations Only ". For wet locations, other UL Recognized products are available.

Users should evaluate the suitability of this product for their application. Specifications are subject to change without notice. Tyco Electronics also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer.			
1/ COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-681. HOWEVER, DUE TO LENGTH LIMITATIONS OF THE RAYCHEM PART NUMBER, AN ALTERNATIVE COLOR CODE MAY REPLACE MIL-STD-681 COLOR CODE DESIGNATORS. (EXAMPLE: "901/902..." MAY BE REPLACED BY "Axxx"). OTHER CODES AND SUFFIXES MAY BE ADDED TO THE PART NUMBER, AS NECESSARY, TO CAPTURE ANY ADDITIONAL REQUIREMENTS IMPOSED BY THE PURCHASE ORDER.			
Page 1 of 2	The TE logo, Tyco Electronics and Raychem are trademarks.		
	DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL		
	THIS SPECIFICATION SHEET TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.		
			Raychem Wire & Cable 501 Oakside Avenue Redwood City, CA 94063-3800 Phone: 1-800-227-8816 Fax: 1-650-361-6297

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C

VOLTAGE RATING: 600 volts (rms) at sea level

INSULATION ELONGATION AND TENSILE STRENGTH:

Elongation, 100% (minimum)

Tensile Strength, 5470 lbf/in² (minimum)

INSULATION FLAWS:

Spark Test, 6.0 kV (rms)

Impulse Dielectric Test, 8.0 kV (peak)

PART NUMBER:

The "*" in the part numbers on page 1 shall be replaced by color code designators with a slash separating the component wire colors.

1/ Example: AWG 16, red and blue component wires: FLHTC0321-16-2/6

1/ See footer section on page 1