



**SPECIFICATION CONTROL DRAWING**

**CBS-18C902XUU3A**

**CANbus CABLE, AWG 18**

Date: 7/24/2017  
Revision: B  
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THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPEC 1200.

**CONSTRUCTION DETAILS**

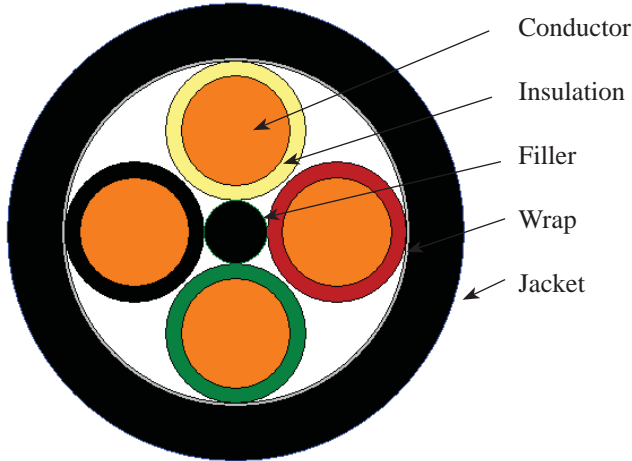


TABLE I

Single Components	Pair	Wire Insulation Color
1	1	4 (yellow)
2	2	2 (red)
3	1	5 (green)
4	2	0 (black)

<u>Single Component</u>		<u>Dimensions</u> inches (nom)
Conductor:	AWG 18 19/.0092, Bare copper	.044
Insulation	Crosslinked Polyolefin	.078
<u>Cable Assembly</u>		
Filler:	Solid Thermorad Filler: .035 inch	
Layer 1:	4 Single Components 1 Filler	.191
Wrap:	PET tape .001 inch thickness	.195
Jacket:	Thermorad F .030 inch thickness	.255 + .013
Cable Weight:	43.33 lb./kft	

Designate outer jacket color with a dash number appended to the part number. Example: Black jacket; CBS-18C902XUU3-0.

Color code designators shall be in accordance with MIL-STD-681.

**ELECTRICAL CHARACTERISTICS**

Data Pair, Pair #1  
Impedance: 120 ohms ± 12 ohms (Method D) at 1 MHz  
Mutual Capacitance: 12.0 pF/ft. (nominal) at 1 MHz  
Velocity of Propagation: 66 % (nominal)

**ADDITIONAL REQUIREMENTS & RATINGS**

Temperature Rating: 125°C  
Flammability: Method C  
Heat Shock: 225°C  
Low Temperature-Cold Bend: -55°C/ 7.00 inch mandrel  
Voltage Withstand: 1500 volts (rms),  
Jacket tensile strength: 2000 psi (minimum)  
Jacket elongation: 200% (minimum)  
Wrap: 25% overlap (minimum)  
  
Jacket Identification: RAYCHEM - J1939-15 - 18 AWG  
  
J1939-15 Compliant  
  
Cable will be supplied in 50 ft. minimum lengths unless otherwise specified

Other codes and suffixes may be added to the part number, as necessary, to capture any additional requirements imposed by the purchase order. Users should evaluate the suitability of this product for their application. TE Connectivity Corporation also reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to Buyer. This specification sheet takes precedence over documents referenced herein. Referenced documents shall be of the issue in effect on date of invitation for bid.

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