



SPECIFICATION CONTROL DRAWING

CBS-24C621-43M

CANbus CABLE, AWG 24

Date: 11/8/2017
 Revision: Issue A
 Page: 1 of 1

THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

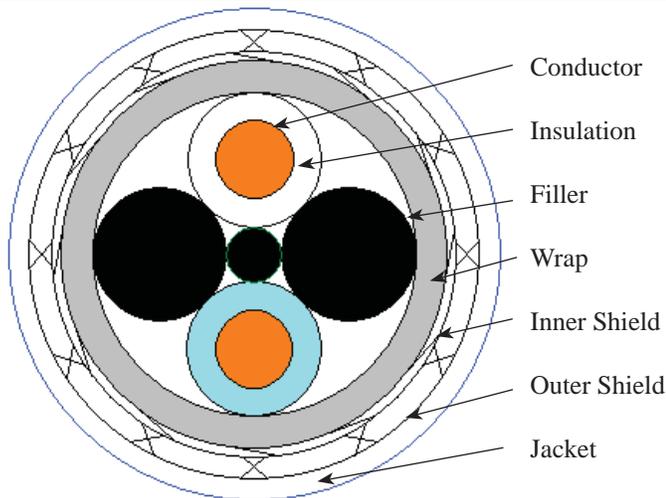


TABLE I

Single Components	Pair	Wire Insulation Color
1	1	9 (white)
2	1	6L (lt. blue)

Primary Wire (Data)		Dimensions inches (nom)
Conductor:	AWG 24 19/36, Nickel-coated high-strength copper	.023
Insulation	Foamed FEP	.044 +/- 0.002
Cable Assembly		
Filler:	2 ea: FEP Filler .043" 1 ea: FEP Filler .018"	
Layer 1	2 single components	.102
Wrap	ePTFE (66% overlap)	.120
Inner Shield:	Flat nickel-copper 92% coverage (min)	.127
Outer Shield	AWG 38, nickel-coated copper 85% coverage (min)	.144
Jacket:	FEP-LM .008 inch thickness	.160 + .008
Cable Weight:	22.18 lb/kft	

Designate outer jacket color with a dash number appended to the part number. Example: White jacket; CBS-24C621-43M-9.

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

ELECTRICAL CHARACTERISTICS

Data Pair

Impedance: 120 ohms ± 12 ohms (Method D @ 1 MHz)

Attenuation (nom) at 25° C
 1.0 dB/100 ft.(nominal) @ 1MHz
 2.0 dB/100 ft (nominal) @ 6 MHz
 2.7 dB/100 ft (nominal) @ 10 MHz
 10.2 dB/100 ft (nominal) @ 100 MHz

Conductor DC Resistance: 29.5 ohms/1000ft (nominal)

Velocity of Propagation: 75% (nominal)

ADDITIONAL REQUIREMENTS & RATINGS

Temperature Rating: - -65°C to 200C

Voltage Withstand: 1500 volts (rms), conductor to conductor and shield.

Jacket tensile strength: 2000 psi (minimum)

Jacket elongation: 200% (minimum)

Jacket Flaws: Spark Test: 1 kV (rms)
Impulse Dielectric Test 6.0 kV (peak)

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.

TE Connectivity Corporation
 Raychem Wire & Cable
 501 Oakeside Avenue
 Redwood City, California 94063-3800
 1-800-227-8816 Fax: 1-650-361-6297

Raychem, TE Connectivity and TE connectivity (logo are trademarks.