



SPECIFICATION CONTROL DRAWING

C5E-26C442XUU9A

C5E CABLE, AWG 26

Date: 6/16/2021
Issue: A
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THIS SPECIFICATION SHEET FORMS A PART OF THE LATEST ISSUE OF RAYCHEM SPECIFICATION 1200.

CONSTRUCTION DETAILS

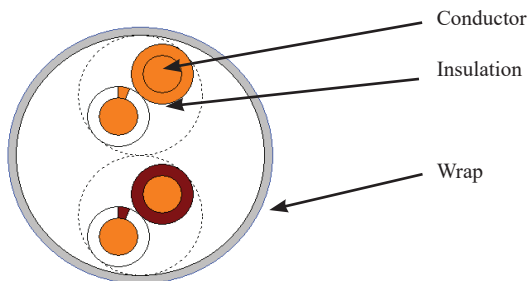


TABLE I - Color Coding

Pair #	Conductor #1	Conductor #2
1	93 (white/orange stripe)	3 (orange)
2	91 (white/brown stripe)	1 (brown)

TABLE II

Component Pairs		Dimensions inches (nom)
Conductor:	AWG 26 19/38, silver high strength copper alloy	.0185
Insulation:	FEP	.030
Cable Assembly		
Core:	2 Pairs	.120
Wrap:	PTFE .002" inch thick	.128
Weight:		6.45 lb/kft

Color code designators shall be in accordance with MIL-STD-681. An "L" after the number indicates a light color.

ELECTRICAL CHARACTERISTICS

TABLE III

Frequency MHz	Insertion Loss dB/100m (max)	Return Loss dB/100m (min)	NEXT dB/100m (min)	ACRF dB/100m (min)	PSACRF dB/100 (min)	Propagation Delay ns/100m (max)
1.0	3.1	20.0	65.3	62.3	60.8	570
4.0	6.1	23.0	56.3	53.3	48.7	552
8.0	8.6	24.5	51.8	48.8	42.7	546
10	9.7	25.0	50.3	47.3	40.8	545
16	12.4	25.0	47.2	44.2	36.7	543
20	13.9	25.0	45.8	42.8	34.7	542
25	15.6	24.2	44.3	41.3	32.8	541
31.25	17.6	23.3	42.9	39.9	30.9	540
62.5	25.5	20.7	38.4	35.4	24.8	539
100	33.0	19.0	35.3	32.3	20.8	538

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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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ELECTRICAL CHARACTERISTICS (CONTINUED)

Electrical Testing:	In accordance with ANSI/TIA-568.2 (issue in effect).
Capacitance:	Mutual Capacitance: 5.6 nF/100 m (nom) at 1 kHz. Pair to ground capacitance unbalance: 330 pF/100 m (max) at 1 kHz.
Conductor DC Resistance:	43.9 ohms/1000 ft (nominal) @ 20°C
Velocity of Propagation:	70% (nominal)
Impedance:	100 ohms (nominal)
Voltage Withstand (dielectric):	1500 volts (rms), 15 seconds minimum, conductor to conductor
Delay Skew – 45ns/100 meter (max) from 1 to 100 MHz	

ADDITIONAL REQUIREMENTS & RATINGS

Temperature Rating: -55°C to 200°C

Cable will be supplied in 50 ft minimum lengths unless otherwise specified.