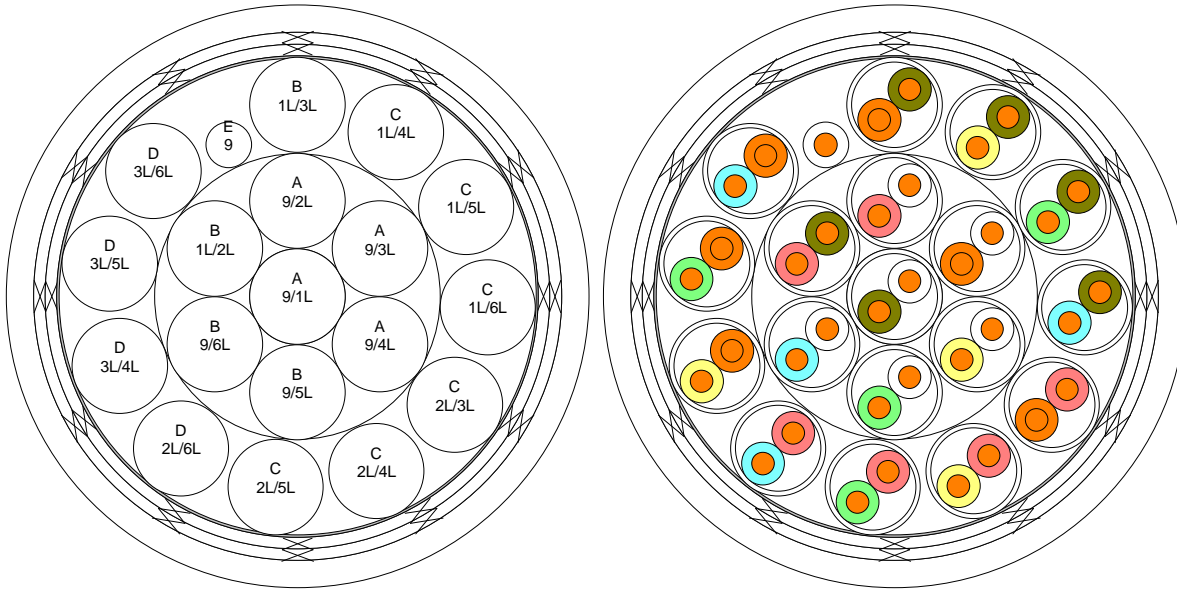


Identification, colors & marks

Cross section



Components

ID	Quantity	Part number	Description
A	4	EPD-RWC-20429	Twisted pair, wrapped
B	4	EPD-RWC-20429	Twisted pair, wrapped
C	6	EPD-RWC-20429	Twisted pair, wrapped
D	4	EPD-RWC-20429	Twisted pair, wrapped
E	1	RAYFOAM-H2447B4	Primary

Cable

Outer	Description	Thickness		OD	
		Inches	mm	Inches	mm
Layer 2				0.432	10.96
Wrap	Polyester tape .001"	0.002	0.05	0.436	11.06
Shield	Round nickel copper 36 awg regular	0.011	0.27	0.457	11.60
Shield	Round nickel copper 36 awg regular	0.011	0.27	0.478	12.13
Jacket	FEP white	0.025	0.64	0.528	13.40
Cable OD tolerance				+ 0.012	+ 0.30
				- 0.053	- 1.35

Weight	174.84 lb/kft	260.66 Kg/Km
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Raychem Corporation
Wire & Cable Division
300 Constitution Drive
Menlo Park, California, 94025-1164
1-800-2-RAYCHEM, x 1500.

This specification sheet takes precedence over documents referenced herein. Referenced documents shall be of the issue in effect on date of invitation to bid. Proposed specification control drawings may be altered prior to final issue.

RCD Version 1.2 Level 1 Ser #5 RWC 8/7/95

Continued

Physical properties

Jacket tensile strength	2000 psi minimum
Jacket elongation	200% minimum
Component Lay Lengths	Each pair shall have the following nominal lay lengths: A = 8X, B = 10X, C = 12X, D = 14X.
Shield Coverage	85% minimum (each)
Wrap	25% (minimum) overlap

Electrical properties

Voltage withstand (dielectric)	1000 volts (rms) conductor to conductor and shield 500 volts (rms) shield to shield when applicable per WC 27500. Coax Components to their own SCD
Attenuation	2.8 dB/100 ft @ 10 MHz. (nominal)
Characteristic Impedance	100 ohms +/- 10 ohms tested per Method A
Mutual Capacitance	11 pF/ft (nominal) up to 1 KHz, conductor to conductor.
Controlled Electricals	Test controlled electrical properties per Raychem Spec 1200.
Jacket Flaws(Spark Test)	3.0 kV (rms)

Notes

Colors	Color code designators shall be in accordance with MIL-STD-681.
Dimensions	Dimensions are in inches, and unless otherwise designated, are nominal.
Identification, Colors & Marks	The following is the key to the descriptions in the left hand view of the cable on Page 1. Line 1: Identifies the component per the components' ID list. Line 2: Color codes. Line 3: Mark on component "-" mark on component jacket.
Minimum length	This cable may be supplied in the following maximum number of continuous lengths: (Order quantity(ft)/300)+1 other length, unless other specific length requirements are noted.
Nesting	Some components are nested. Their size on the drawing may be altered to reflect the effect of nesting.
Jacket Wall	.020 inch minimum

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