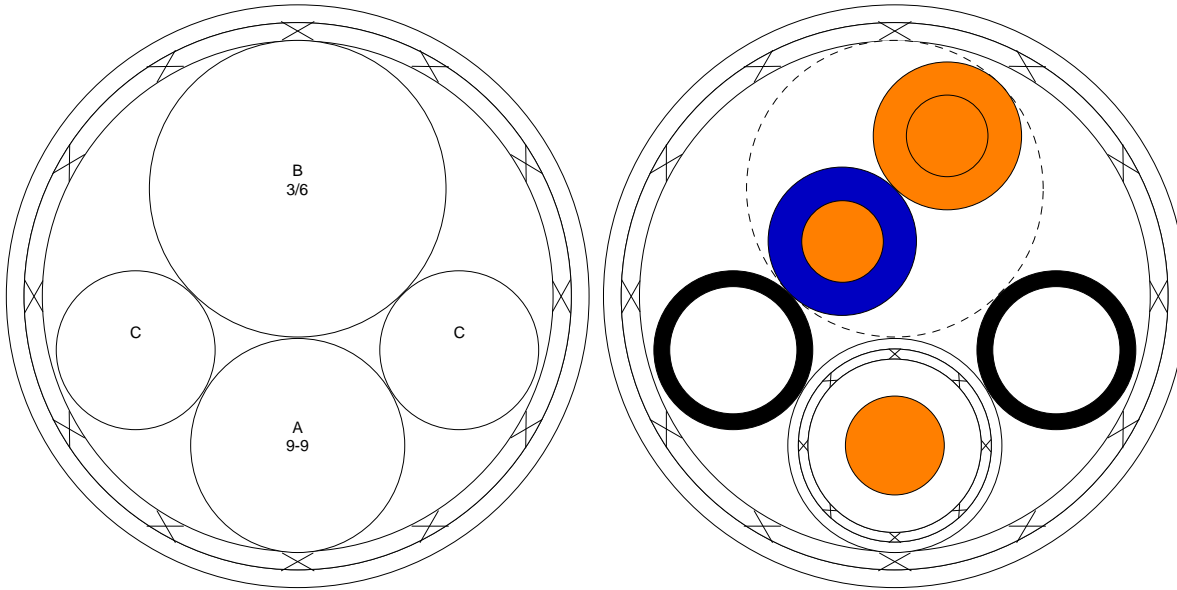


Identification, colors & marks

Cross section



Components

ID	Quantity	Part number	Description
A	1	44A1811-22	Primary wire, round shielded, jacketed
B	1	44A0821-20	Twisted pair
C	2	FIL-11-0.075	Cross-linked ETFE Filler 0.075 OD

Cable

Outer	Description	Thickness		OD	
		Inches	mm	Inches	mm
Core				0.241	6.12
Shield	Round tinned copper 38 awg regular	0.009	0.22	0.258	6.55
Jacket	Thermorad HT white	0.009	0.22	0.275	6.98
Cable OD tolerance				+ 0.014	+ 0.36

Specification	Raychem SPEC 55A
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Weight	42.74 lb/kft	63.72 Kg/Km
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Continued

Physical properties

Jacket tensile strength	5000 psi minimum
Jacket elongation	50% minimum
Jacket Wall	.007 inch minimum
Shield Coverage	85% minimum

Environmental properties

Accelerated Aging	300 ± 3°C for 7 hours
Voltage Withstand	(Post Environmental) 1000 volts (rms), 60 Hz. 1 minute

Electrical properties

Voltage withstand (dielectric)	1500 volts (rms) conductor to conductor and shield 500 volts (rms) shield to shield when applicable per WC 27500. Coax Components to their own SCD
Jacket Flaws	Spark Test: 3 kV (rms) Impulse Dielectric Test: 6.0 kV (peak)

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	Cable will be supplied in 50 ft. minimum lengths unless otherwise specified
Export License Note	The information contained on this drawing may be subject to International Traffic in Arms Regulations (ITAR) or Export Administration Regulations (EAR) controls and may not be disclosed to any foreign person or firm, including foreign persons employed by or associated with your firm, without first complying with all requirements for obtaining an export license if applicable.
Part Number Note	Other codes and suffixes may be added to the Part Number as necessary, to capture any additional requirements imposed by the purchase order
Specification Information	This drawing is the property of Tyco Electronics Corporation and may not be used for any purpose other than for that which it is supplied without the express written authority of Tyco Electronics Corporation.
Trademarks	The TE logo, Tyco Electronics, Raychem, SPEC 55A and Thermorad are trademarks.

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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.

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