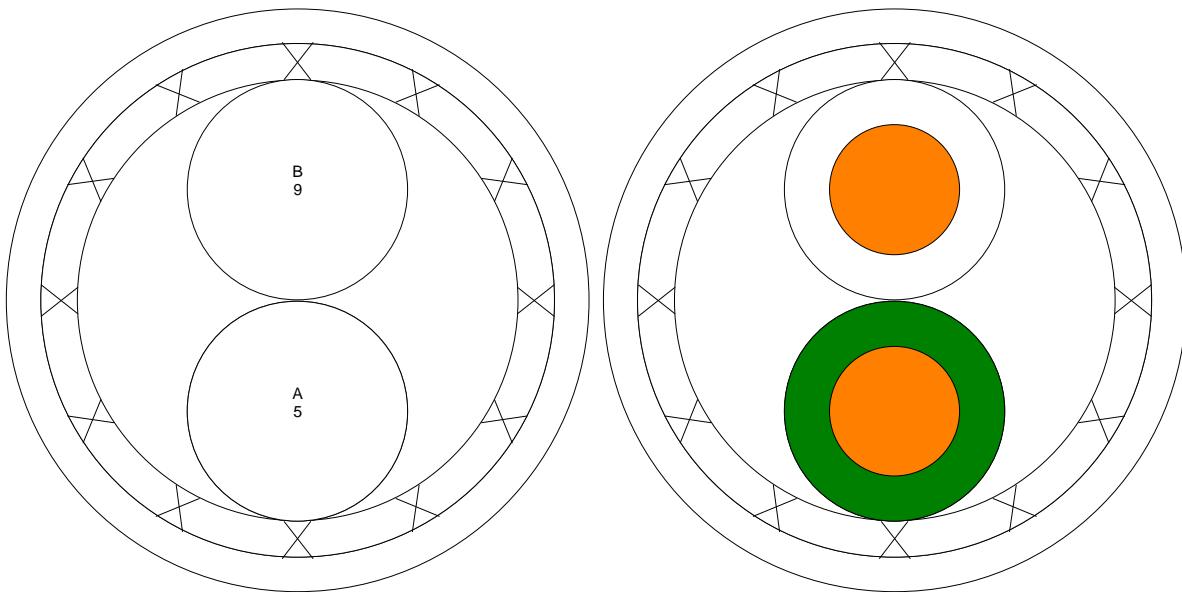


**Identification, colors & marks**
**Cross section**

**Components**

ID	Quantity	Part number	Description
A	1	55A8000-22	Primary wire
B	1	55A8001-22	Primary wire

**Cable**

Outer	Description	Thickness		OD	
		Inches	mm	Inches	mm
Layer 1				0.102	2.59
Shield	Round tinned copper 38 awg regular	0.009	0.22	0.119	3.02
Jacket	Thermorad HT white	0.008	0.20	0.135	3.43

 Cable OD tolerance + 0.005   + 0.13
**Specification** Raychem Spec. 55A

**Weight** 14.27 lb/kft   21.27 Kg/Km

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*Continued*

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**Physical properties**

<b>Component Sequence</b>	The placing of the components in the cross sectional view of the cable is for reference only and is not a requirement.
<b>Jacket tensile strength</b>	5000 psi minimum
<b>Jacket elongation</b>	50% minimum
<b>Shield Coverage</b>	85% minimum.

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**Environmental properties**

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

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**Electrical properties**

<b>Voltage withstand (dielectric)</b>	1500 volts (rms) conductor to conductor and shield 500 volts (rms) shield to shield when applicable per NEMA WC 27500. Coax components to their own SCD.
<b>Jacket Flaws</b>	Spark Test: 2.5 kV (rms). Impulse Dielectric Test: 6.0 kV (peak)
<b>EMF</b>	EMF shall be 4.00 mV (minimum), 4.19 mV (maximum), at 100 °C with reference junction at 0°C, and shall be performed on every length of cable.

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**Notes**

<b>Colors</b>	Color code designators shall be in accordance with MIL-STD-681.
<b>Dimensions</b>	Dimensions are in inches, and unless otherwise designated, are nominal.
<b>Export License Note</b>	These commodities, technology, or software, when exported from the United States, are required to be exported in accordance with the Export Administration Regulations. Diversion contrary to U.S. law is prohibited.
<b>Identification, Colors &amp; Marks</b>	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.
<b>Minimum length</b>	Cable will be supplied in 50 ft. minimum lengths unless otherwise specified.
<b>Part Number Note</b>	Other codes and suffixes may be added to the Part Number as necessary, to capture any additional requirements imposed by the purchase order.
<b>Specification Information</b>	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.
<b>Trademarks</b>	Raychem, Thermorad, TE Connectivity, TE connectivity (logo) and TE (logo) are trademarks.
<b>Finished Cable Spec</b>	55A1121-22 as applicable.
<b>Jacket identification</b>	Mark: Raychem - EPD31337A.

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