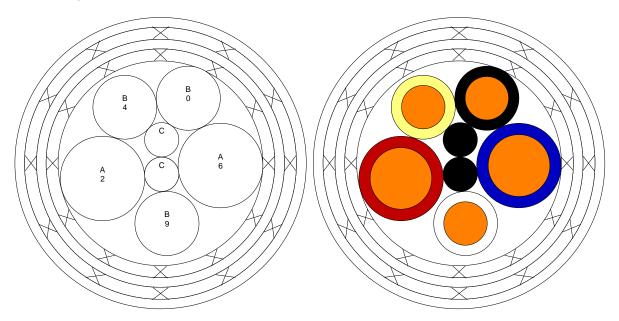


## Identification, colors & marks





## Components

| ID | Quantity | Part number  | Description          |
|----|----------|--------------|----------------------|
| A  | 2        | 44A0111-16   | Primary wire         |
| В  | 3        | 44A0111-20   | Primary wire         |
| С  | 2        | FIL-30-0.030 | Foam Filler 0.030 OD |

## Cable

| Outer              | Description                        | Thickness |         | OD     |      |
|--------------------|------------------------------------|-----------|---------|--------|------|
|                    | •                                  | Inches    | mm      | Inches | mm   |
| Layer 1            |                                    |           |         | 0.179  | 4.55 |
| Shield             | Round tinned copper 36 awg regular | 0.011     | 0.27    | 0.200  | 5.08 |
| Jacket             | Thermorad® K white                 | 0.009     | 0.22    | 0.217  | 5.51 |
| Shield             | Round tinned copper 36 awg regular | 0.011     | 0.27    | 0.238  | 6.05 |
| Jacket             | Thermorad® K white                 | 0.009     | 0.22    | 0.255  | 6.48 |
|                    |                                    |           |         |        |      |
| Cable OD tolerance |                                    |           | + 0.010 | + 0.25 |      |

| Specification | Raychem SPEC 44® |             |
|---------------|------------------|-------------|
|               |                  |             |
| Weight        | 65.09 lb/kft     | 97.05 Kg/Km |

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Page 1 of 2

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## **Specification Control Drawing**

44A9111 5 conductor cable Issue 3 - 5/13/2005

| Continued                      |   |
|--------------------------------|---|
| Physical properties            |   |
| Jacket tensile strength        | 4000 psi minimum  |
| Jacket elongation              | 200% minimum  |
| Shield Coverage                | 85% minimum (each)  |
| Environmental properties       |   |
| Crosslink Verification         | 200 ± 5 °C for 6 hours per WC 27500.  |
| 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: 1 kV (rms) Impulse Dielectric Test: 6.0 kV (peak)   |
| Notes                          |   |
| Colors                         | Colors and 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 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   |
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| Jacket Wall                    | .007 inch minimum (each)  |
| Outhor Hall                    | .oor mon minimum (caon)   |



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Page 2 of 2

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