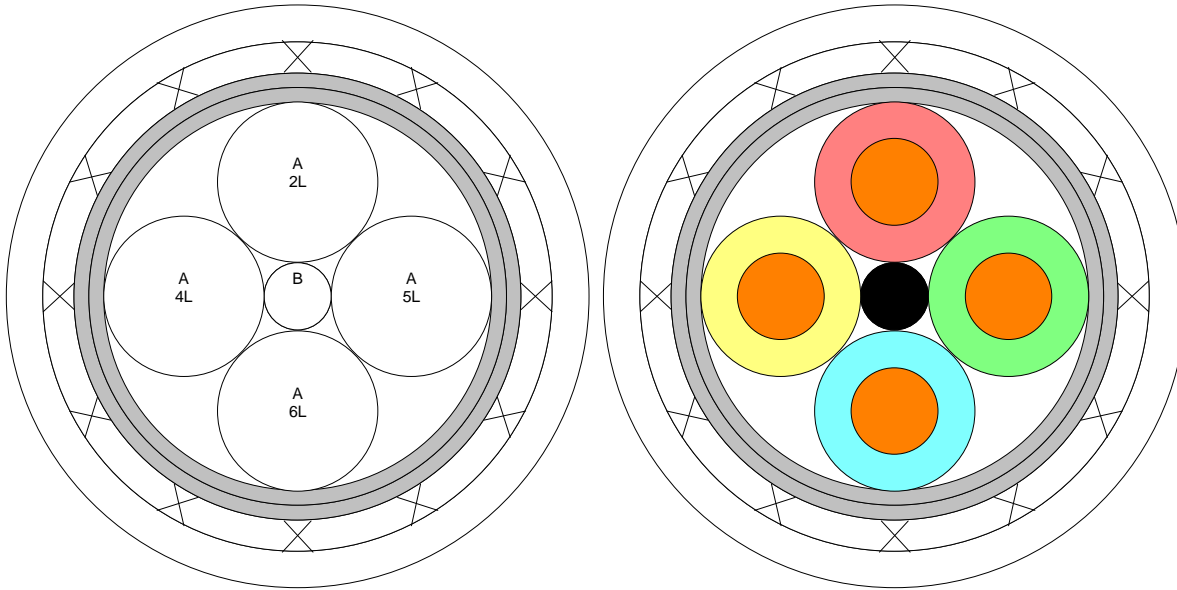


**Identification, colors & marks**

**Cross section**



**Components**

ID	Quantity	Part number	Description
A	4	RAYFOAM-H2444C4	Dielectric
B	1	FEP Filler .018	Filler

**Cable**

Outer	Description	Thickness		OD	
		Inches	mm	Inches	mm
Layer 1				0.106	2.68
Wrap	Fluoropolymer Wrap .002"	0.004	0.10	0.114	2.88
Wrap	Al.-PET .002"- Al. facing out	0.004	0.10	0.122	3.09
Shield	Round tinned copper 38 awg regular	0.009	0.22	0.139	3.52
Jacket	FEP clear	0.010	0.25	0.159	4.03
Cable OD tolerance				+ 0.006	+ 0.15
				- 0.006	- 0.15

<b>Specification</b>	Raychem Spec.1200
----------------------	-------------------

<b>Weight</b>	21.56 lb/kft	32.14 Kg/Km
---------------	--------------	-------------

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.

---

---

*Continued*

---

---

**Physical properties**

<b>Jacket elongation</b>	200% minimum
<b>Jacket tensile strength</b>	2000 psi minimum
<b>Shield Coverage</b>	85% minimum
<b>Wrap (each)</b>	25% (minimum) overlap
<b>Marker Tape</b>	There shall be a marker tape under the jacket: "RAYCHEM CEC-RWC-18664 06090 A - B". every other mark is an inverted mirror image. The orientation of the tape shall be as follows: The "A" end components shall be Red, Green, Blue and Yellow in a clockwise direction. The "B" end components shall be Red, Yellow, Blue, and Green in a clockwise direction.

---

**Environmental properties**

<b>Flammability</b>	Shall meet the requirements of FAR Part 25, Appendix F, Part I when tested in accordance with the 60 degree test specified therein.
---------------------	---

---

**Electrical properties**

<b>Voltage withstand (dielectric)</b>	1000 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>Additional Electricals</b>	See Page 3

---

**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>	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.
<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, Rayfoam, TE Connectivity, TE connectivity (logo) and TE (logo) are trademarks.

---

---

Page 2 of 3

---

---

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.



CEC-RWC-18664  
 4 conductor cable  
 Issue N 6/12/2015

**TABLE I (Electrical Parameters)**

<b>Frequency</b>	<b>Insertion Loss dB/100m (typical/maximum)</b>	<b>RL dB/100m (min)</b>	<b>NEXT dB/100m (min)</b>	<b>Propagation Delay ns/100m (max)</b>
1 MHz	2.2/2.8	20.0	65.3	570
4 MHz	4.5/5.5	23.0	56.3	-
8 MHz	6.2/7.8	24.5	51.8	-
10 MHz	6.8/8.7	25.0	50.3	-
16 MHz	8.5/11.1	25.0	47.3	-
20 MHz	9.8/12.5	25.0	45.8	-
25 MHz	11 /14.1	24.2	44.3	-
31.25 MHz	12.3/15.8	23.3	42.9	-
62.5 MHz	18.6/22.9	20.7	38.4	-
100 MHz	24.8/29.7	19.0	35.3	538

Note: Values in Table I for RL and NEXT are for reference only. Actual values shall be determined utilizing the formula in ANSI/TIA-568-C.2.

Capacitance: 13.0 pF/ft. (nominal) at 1 kHz.  
 Impedance: 100 ± 10 ohms at 1 to 100 MHz.  
 Electrical Testing: In accordance with ANSI/TIA-568-C.2.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Multi-Conductor Cables](#) category:*

*Click to view products by [TE Connectivity](#) manufacturer:*

Other Similar products are found below :

[8916-GRY-100](#) [8918-GRN/YEL-100](#) [8920-BRN-1000](#) [8920-RED-1000](#) [89907-LT-DEC/GRY-500](#) [CR3909-000](#) [CR3927-000](#) [01342.35T.01](#)  
[01364.35T.01](#) [003201-000](#) [CS2885-000](#) [CS8782-000](#) [CS9912-000](#) [6200UE-NAT-U1000](#) [CTC-0062-20-9/5-9](#) [CTC-0062-22-9/5-9](#) [6304FE-](#)  
[877-U500](#) [6309UE-877-1000](#) [6320UE-NAT-U1000](#) [644833-000](#) [6502FE 8771000](#) [6504UE-877-U1000](#) [CW9530-000](#) [CX6543-000](#) [CXA-](#)  
[0066-20-4-9CS2973](#) [CXA-0078-16-1-9CS2405](#) [CXA-0078-22-4-9CS2405](#) [CXA-0078-24-4-9CS2405](#) [CXA-0140-16-6/9-9CS2405](#) [CY0660-](#)  
[000](#) [706/2R-BLACK-EACH](#) [720451-000](#) [730859-000](#) [MCC-USB-4-250](#) [752687-000](#) [768146-000](#) [773159-000](#) [7934A-BLK-1000](#) [8125-](#)  
[CHR-100](#) [8164-CHR-1000](#) [820457-000](#) [8205-CHR-1000](#) [8240-BLK-U1000](#) [82723-NAT-1000](#) [82907-NAT-500](#) [83003-YEL-500](#) [83005-](#)  
[WHT-500](#) [83006-DK-GRN-100](#) [83008-WHT-1000](#) [83009-BLK-100](#)