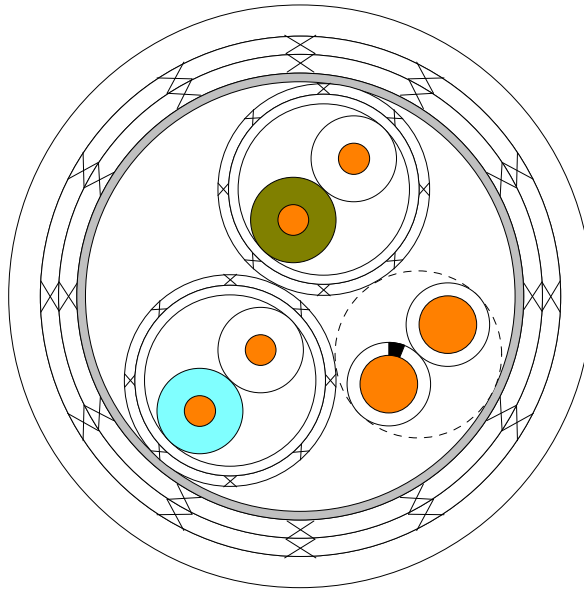
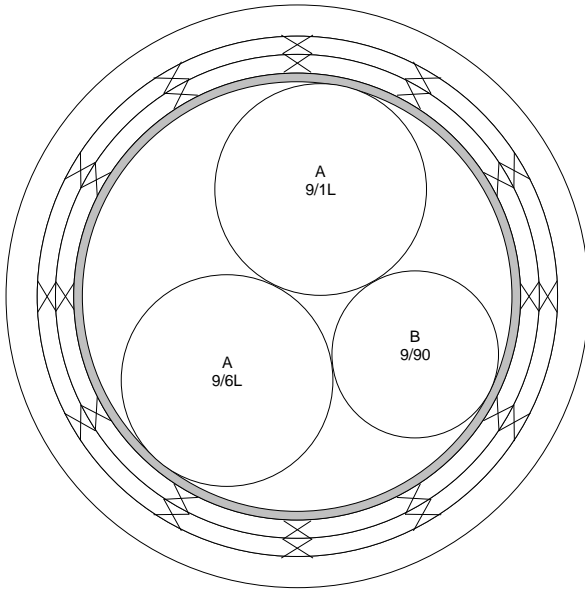


Identification, colors & marks

Cross section



Components

ID	Quantity	Part number	Description
A	2	1028E0924	Data pair
B	1	55/0122-22	Twisted pair

Cable

Outer	Description	Thickness		OD	
		Inches	mm	Inches	mm
Core				0.199	5.06
Wrap	PET tape .002"	0.004	0.10	0.207	5.26
Shield	Round silver copper 38 awg regular	0.009	0.22	0.224	5.69
Shield	Round silver copper 38 awg regular	0.009	0.22	0.241	6.13
Jacket	ETFE UXL white	0.015	0.37	0.270	6.86
Cable OD tolerance				+ 0.014	+ 0.36
				- 0.014	- 0.36

Weight	62.39 lb/kft	93.02 Kg/Km
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Continued

Physical properties

Component Sequence	The placing of the components in the cross sectional view of the cable is for reference only and is not a requirement
Jacket tensile strength	5000 psi minimum
Jacket elongation	150% minimum
Jacket Wall	.010 inch minimum, .020 inch maximum
Shield Coverage	95% minimum (each)
Wrap	35% (minimum) overlap

Environmental properties

Outgassing Test	Weight loss (Test per Spec 55/): 0.45% (maximum)
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Electrical properties

Voltage withstand (dielectric)	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.
Jacket Flaws	Spark Test: 2.5 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.
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.
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.
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	Raychem, TE Connectivity, TE connectivity (logo) and TE (logo) are trademarks.
Nesting	Some components are nested. Their size on the drawing may be altered to reflect the effect of nesting.
Note	Outerspace Cable Application
Conductor	All conductors for both of the 1028E0924 components of the cable shall come from the same lot.



EPD-RWC-18104
6 conductor cable
Issue: J 4/29/2014

TABLE I (Electrical Parameters)

Frequency (MHz)	Attenuation dB/4.5m (max)
100	2.3
200	3.2
400	5.8

Impedance: 110 ± 6 ohms, TDR with <100ps rise time.
Far-End Crosstalk 26 dB minimum for 1 to 500 MHz on 4.5 m sample.
Time Delay: 1.54 ns/ft (maximum)
Time Delay Skew: 27.1 ps/ft (maximum)
Electrical Testing: Per Spec 1200 as applicable