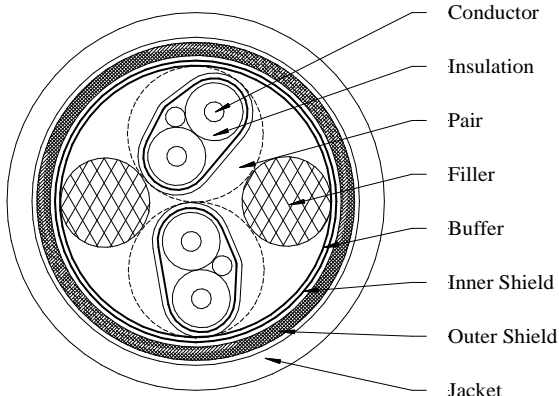


## 2 PAIR 26 AWG 10G INFINITWIST™ CABLE

### PROPRIETARY DESIGN

THIS CONFIDENTIAL DOCUMENT HAS BEEN RELEASED WITH THE UNDERSTANDING THAT IT SHALL NOT BE SENT TO ANYONE OTHER THAN THE ORIGINAL INTENDED RECIPIENT WITHOUT PRIOR AUTHORIZATION FROM TE CONNECTIVITY/MADISON CABLE



#### CONSTRUCTION

##### Pair Component

**Conductor:** 26 AWG Solid Silver Plated Copper, 0.0159 Inch Diameter  
**Insulation:** 0.0146 Inches of Foam Polyolefin, 0.045 Inch Diameter, Color – Natural  
**Pair:** 2 Singles Twisted Together  
**Drain Wire:** 26 AWG Solid Tin Plated Copper, 0.0159 Inch Diameter  
**Pair Shield:** Aluminum/Polyester Tape, Aluminum Side Facing In, 25% Overlap, Color – See Color Code Table  
**Pair Jacket:** Polyester Tape  
**Pair Diameter:** 0.096 Inches Nominal

##### Final Assembly

**Core:** 2 Pairs (#1-2) Cabled Together with Solid PVC Fillers  
**Buffer:** Foam Polypropylene Tape, 50% Overlap  
**Inner Shield:** Aluminum/Polyester Tape, Aluminum Side Facing Out, 25% Overlap  
**Outer Shield:** 38 AWG Tin Plated Copper Braid, 85% Coverage  
**Jacket:** 0.025 Inches of Flexible PVC, Color – Black  
**Diameter:** 0.253 Inches Nominal  
**Print Legend (White Ink):** “MADISON CABLE (UL) TYPE CL2 75°C 26 AWG CSA AWM II A/B 75°C 30V FT4 InfiniTwist™ 10G 101-9360 SUBSTANCE COMPLIANT 2011/65/EU {Date Code}”<sup>1</sup>

<sup>1</sup> Date code is a 4-digit code with the first 2 digits identifying the calendar week and the last 2 digits identifying the calendar year of manufacture. Example - 0206 for cable manufactured the second week of 2006.



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 125 Goddard Memorial Drive  
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#### COLOR CODE TABLE

Pair #	Pair Shield Color
1	Yellow
2	Blue

#### ELECTRICAL CHARACTERISTICS

**Differential Impedance:** 100 ± 5 Ohms @ TDR  
**Mutual Capacitance:** 13 pF/ft Nominal  
**Time Delay:** 1.35 ns/ft Nominal  
**Time Delay Skew (Within Pair):** 70 ps/8.5 m Maximum  
**Attenuation (SDD21)<sup>2</sup>:**

Frequency (GHz)	Attenuation (dB/8.5m Nominal)	Attenuation (dB/8.5m Maximum)
1.25	8.83	10.2
1.5	9.73	11.2
2.5	12.75	14.7
3.0	14.07	16.2
4.5	17.60	20.2
5.0	18.69	21.5
6.0	20.78	24.0
8.0	24.78	28.5
10.0	28.94	33.3

**Differential to Common Mode Conversion (SCD21):** 28 dB Nominal  
**Conductor DC Resistance:** 0.040 Ohms/ft Nominal @ 20°C

<sup>2</sup> Tested/Functional to 10 GHz over an 8.5-meter length, where there are no resonant nulls greater than 6% from 10 MHz to 10 GHz.

#### SAFETY CERTIFICATION

**UL Listing:** Type CL2 as specified in Article 725 of the National Electrical Code  
**CSA Certification:** AWM II A/B 75°C 30V FT4  
**RoHS II Material Compliance:** In accordance with EU Directive 2011/65/EU for the Restriction of Hazardous Substances

#### REVISION HISTORY

1	12/15/09	DC	Initial Release
2	03/17/10	HA	Revised Jacket OD; Added Color Code Table
3	08/01/12	SJ	Revised attenuation
4	03/26/15	HA	Revised Drain Wire and RoHS Statement

**Spec Number:** 101-9360

**Part Number:** 04KE3LF001

**Customer:**

**Customer #:**

**Prepared By:** H. Abusamra

**Reviewed By:** T. Grzysiewicz

A. Fan

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Users should evaluate the suitability of this product for their application. Contact factory for latest revision of specification. TE Connectivity reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to the Buyer.