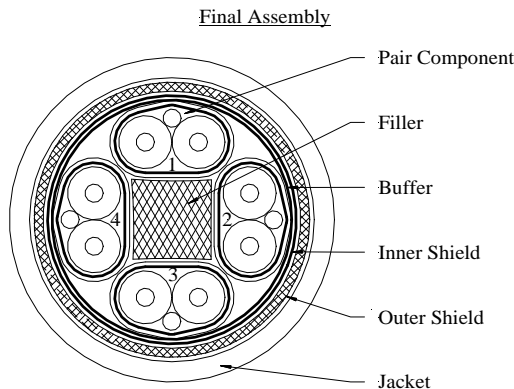
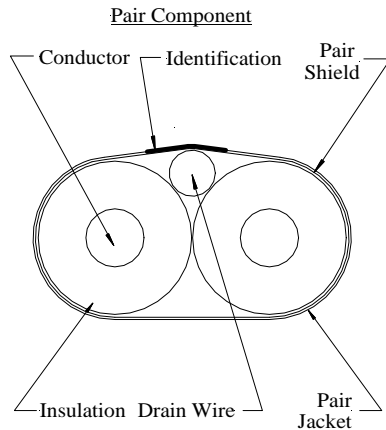


4 PAIR 26 AWG 10G SAS TURBOTWIN™ CABLE

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 [0.40 mm] Diameter

Insulation: 0.0145 Inches [0.37 mm] of Foam Polyolefin, 0.045 Inch [1.14 mm] Diameter, Color – Natural

Pair: 2 Singles Laid Flat and Parallel

Drain Wire: 28 AWG Solid Tin Plated Copper, 0.0126 Inch [0.32 mm] Diameter

Pair Shield: Aluminum/Polyester Tape, Aluminum Side Facing In, 25% Overlap, Color – Yellow

Pair Jacket: Polyester Tape

Pair Diameter: 0.055 x 0.095 Inches [1.40 x 2.41 mm] Nominal

Pair Identification: Pairs sequentially numbered on entire length of pair.

Final Assembly

Core: Fillers as Needed

Layer 1: 4 Pairs (#1-4) Cabled Around Core

Buffer: Foam Polyolefin Tape

Inner Shield: Aluminum/Polyester/Aluminum Tape, 25% Overlap

Outer Shield: 40 AWG Tin Plated Copper Braid, 85% Coverage

Jacket: 0.025 Inches [0.64 mm] of Flexible PVC, Color – Black

Diameter: 0.265 Inches [6.73 mm] Nominal

Print Legend (White Ink): "MADISON CABLE {Mfg Location Code}¹ (UL) TYPE CL2 75°C 26 AWG CSA AWM II A/B 75°C 30V FT4 TurboTwin™ 10G SAS 102-0349 SUBSTANCE COMPLIANT 2011/65/EU {Date Code}²"

¹ Mfg. Location Code if applicable

² Date Code is a 4-digit code with the first two digits identifying the calendar week and the last two identifying the calendar year of manufacturing. Example – 0206 for cable manufactured in the second week of January 2006.

ELECTRICAL CHARACTERISTICS

Differential Impedance: 100 ± 5 Ohms @ TDR

Mutual Capacitance: 14 pF/ft [46 pF/m] Nominal

Time Delay: 1.35 ns/ft [4.4 ns/m] Nominal

Time Delay Skew (Within Pair): 70 ps/8.5 m Maximum

Time Delay Skew (Between Pair): 350 ps/8.5 m Maximum

Attenuation (SDD21)³:

Frequency (GHz)	Attenuation (dB/8.5 m Nom.)
1.25	9.0
2.50	13.3
5.00	20.7
7.00	26.1
9.00	31.0
10.00	32.4

Differential to Common Mode Conversion (SCD21): 28 dB Nominal

Conductor DC Resistance: 0.040 Ohms/ft [131 Ohms/km] Nominal @ 20°C

³ Tested/Functional to 10 GHz over a 8.5 meter length.

MECHANICAL CHARACTERISTICS

Bend Radius (5 X OD): 1.33 Inches [33.7 mm] Minimum

SAFETY CERTIFICATION

UL Listing: Type CL2 as specified in Article 725 of the National Electrical Code

CSA Certification: AWM II A/B 75°C 30 Volts FT4

RoHS II Material Compliance: In accordance with EU Directive 2011/65/EU for the Restriction of Hazardous Substances



Madison Cable

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REVISION HISTORY

1	11/09/10	HA	Initial Release
2	09/22/11	DC	Revised Inner Shield and Drain Wire
3	04/27/12	DC	Revised Diameter
4	03/08/13	DC	Revised Print Legend, RoHS Statement
5	02/28/14	HA	Added Mfg. Location Code & Metric Units

Spec Number: 102-0349

Part Number: 08KE2LF005

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.