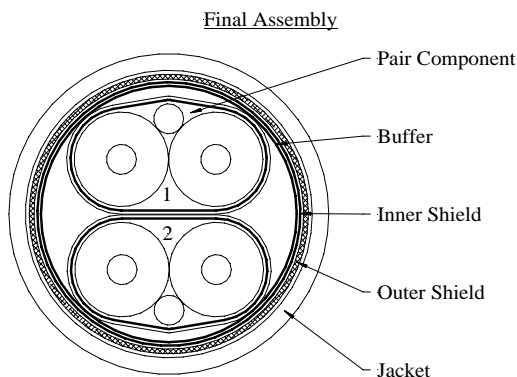
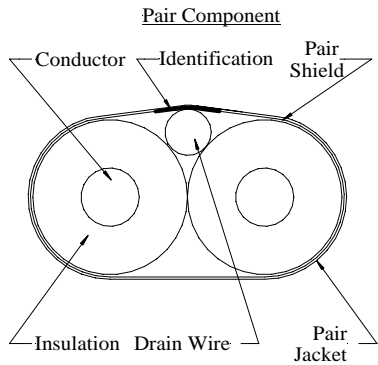


2 PAIR 30 AWG 10G/TURBOTWIN CABLE

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 MADISON CABLE



CONSTRUCTION

Pair Component

- Conductor:** 30 AWG Solid Silver Plated Copper, 0.010 Inch Diameter
- Insulation:** 0.0095 Inches of Foam Polyolefin, 0.029 Inch Diameter, Color - Natural
- Pair:** 2 Singles Laid Flat and Parallel
- Drain Wire:** 30 AWG Solid Silver Plated Copper, 0.010 Inch Diameter
- Pair Shield:** Aluminum/Polyester Tape, Aluminum Side Facing Out 25% Overlap, Color - Yellow
- Pair Jacket:** Polyester Tape
- Pair Diameter:** 0.039 x 0.064 Inches Nominal
- Pair Identification:** Pairs sequentially numbered on entire length of pair.

Final Assembly

- Core:** 2 Pairs (#1-2) Cabled Together
- Buffer:** Foam Polyolefin Tape
- Inner Shield:** Aluminum/Polyester/Aluminum Tape, 25% Overlap
- Outer Shield:** 38 AWG Tin Plated Copper Braid, 85% Coverage
- Jacket:** 0.025 Inches of Flexible XPbT, Color - Black
- Diameter:** 0.175 Inches Nominal
- Print Legend (White Ink):** "TYPE CL2 75°C 30 AWG (UL) MADISON CABLE CSA AWM II A/B 75C 30V FT4 TurboTwin™ 10G RoHS COMPLIANT {Date Code}"¹

¹ 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 Nominal
- Time Delay:** 1.35 ns/ft Nominal
- Time Delay Skew (Within Pair):** 70 ps/5.5 m Maximum
- Time Delay Skew (Between Pair):** 350 ps/5.5 m Maximum
- Attenuation (SDD21)²:** 10 dB/5.5 m Maximum @ 1.25 GHz
- Differential to Common Mode Conversion (SCD21):** TBD
- Conductor DC Resistance:** 0.10 Ohms/ft Nominal @ 20°C

² Tested/Functional 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 30 Volts FT4
- RoHS Compliance:** In Accordance to European Directive 2002/95/EC, Issue 13.2.2003

Preliminary Design

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REVISION HISTORY

Rev	Date	By	Description
1	10/03/07	HA	Initial Release
2	12/03/07	KA	Added CSA; Revised Electricals
3	01/07/08	KA	Revised Inner Shield

Spec Number:	101-6869	Prepared By:	K. Arsenault	
Part Number:	04KB2LF004	Reviewed By:	T. Grzysiewicz	B. Morissette
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Users should evaluate the suitability of this product for their application. Contact factory for latest revision of specification. Tyco Electronics reserves the right to make changes in materials or processing, which do not affect compliance with any specification, without notification to the Buyer.