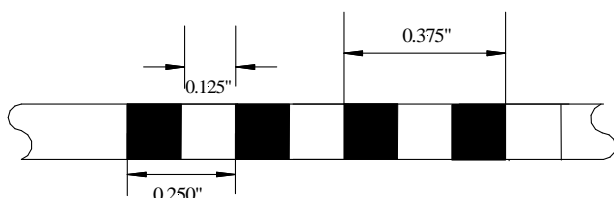
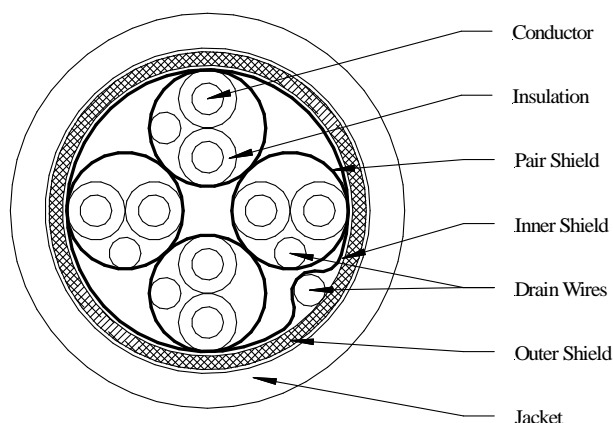


4 PAIR 28 AWG CABLE



CONSTRUCTION

Pair Component

Conductor: 28 AWG 7/36 Tin Plated Copper, 0.015 Inch Diameter
Insulation: 0.013 Inches of Foam Polypropylene, 0.041 Inch Diameter
Pair: 2 Insulated Conductors Twisted Together
Drain Wire: 28 AWG 7/36 Tin Plated Copper, 0.015 Inch Diameter
Pair Shield: Aluminum/Polyester Tape, Aluminum Side Facing In, 25% Overlap
Pair Jacket: Heat-Seal Polyester Tape, 50% Overlap

Final Assembly

Core: 4 Pairs (#1-4) Cabled Together
Inner Shield: Aluminum/Polyester Tape, Aluminum Side Facing Out, 25% Overlap
Drain Wire: 28 AWG 7/36 Tin Plated Copper, 0.015 Inch Diameter
Outer Shield: 36 AWG Tin Plated Copper Braid, 90% Coverage
Jacket: 0.025 Inches of PVC, Color – Inmac Blue
Diameter: 0.260 Inches Nominal
Print Legend (White Ink): "STAR-Dundee SpaceWire Lab Cable E57891 (UL)
 TYPE CL2 75°C 28 AWG SUBSTANCE COMPLIANT
 2011/65/EU {Date Code}"¹

¹ 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.

COLOR CODE²

Pair #	Conductor #1	Conductor #2
1	Natural/Black	Natural/Green
2	Natural/Blue	Natural/Brown
3	Natural/Orange	Natural/Purple
4	Natural/Gray	Natural/Yellow

² See Drawing for Bandmark Spacing/Dimensions

ELECTRICAL CHARACTERISTICS

Differential Impedance: 100 Ohms Nominal @ TDR
Mutual Capacitance: 14 pF/ft Nominal
Velocity of Propagation: 71% Nominal
Time Delay Skew (Between Pairs): 30 ps/ft Maximum
Conductor DC Resistance: 0.064 Ohms/ft Nominal @ 20°C

SAFETY CERTIFICATION

UL Listing: Type CL2 as specified in Article 725 of the National Electrical Code
RoHS II Material Compliance: In accordance with EU Directive 2011/65/EU for the Restriction of Hazardous Substances



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REVISION HISTORY

1	09/22/05	RL	Initial Release
2	09/28/05	EP	Revised Legend, Jkt OD, Pair Shield
3	10/19/05	RL	Added P/N
4	01/24/06	DC	Revised legend to ink wheel; added RoHS Comp
5	05/14/09	DC	Added date code to legend
6	03/18/16	DC	Added Dwg; Revised Color Code, Print, RoHS

Spec Number: 101-2959

Part Number: 08KDOLF002

Customer:

Customer #:

Prepared By: D.M. Card

Reviewed By: N. Zhang

Page

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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.