

DESIGN CONFIRMATION FORM

Form D-01B
Issue 7

GENERAL

Customer: INDUSTRIAL ELECTRIC _____ Quote #: _____ Design ID: 1016566 _____
 OEM: _____ Date: 3/17/2008 _____ Order Date: _____
 OEM Spec #: _____ Rev: _____ Sales Person: Ashlie Fan _____
 Madison Spec #: 101-6566 _____ Rev: 4 _____ Engineer: Robert Lemos _____

Note: Cable Description, Components, and Approvals sections are optional when OEM or Madison specification is referenced – see specification for details.

CABLE DESCRIPTION

25 Pair 28 AWG Unjacketed Cable

O/A Shielding: Unshielded; Inner Shielding: N/A; Jkt Color: ; OD: 0.330 Inches

COMPONENTS

25 Pair 28 AWG solid

APPROVALS

COMMENTS

Development Category: New P/N

Reason: _____

Comments: AWM Style 10238 applies to the Primary Conductors _____

EXCEPTIONS

Characteristic	Requirement	Deviation	Comments

CUSTOMER DESIGN APPROVAL

Orders will not be processed until this form is signed and returned. Please review this form and any referenced specifications.

Name: KEN LITTLE JOHN

Title: DESIGN ENGINEER

Signature: *Ken Little John*

Date: 3/18/08

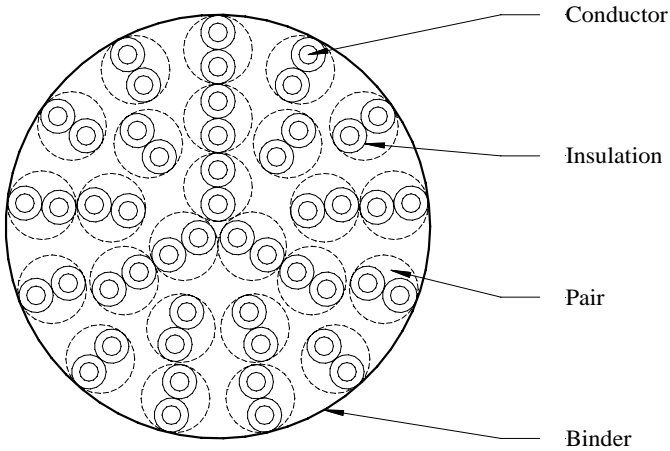


Tyco Electronics



125 Goddard Memorial Drive, Worcester MA 01603
 Phone: (508) 752-2884 or Toll-Free (877)-MADISON
 Fax: (508) 752-4230

25 PAIR 28 AWG CABLE



CONSTRUCTION

Pair Component

Conductor: 28 AWG Solid Tin Plated Copper, 0.0126 Inch Diameter
Insulation: 0.0112 Inches of ECTFE (Halar), 0.035 ± 0.003 Inches Diameter
Pair: 2 Insulated Conductors Twisted Together

Final Assembly

Core: 3 Pairs (#1-3) Cabled Together
Layer 1: 9 Pairs (#4-12) Cabled Around Core
Layer 2: 13 Pairs (#13-25) Cabled Around Layer 1
Binder: Polyester Tape, 25% Overlap
Diameter: 0.330 Inches Nominal

COLOR CODE

Pair #	Conductor #1	Conductor #2
1	White/Blue	Blue/White
2	White/Orange	Orange/White
3	White/Green	Green/White
4	White/Brown	Brown/White
5	White/Gray	Gray/White
6	Red/Blue	Blue/Red
7	Red/Orange	Orange/Red
8	Red/Green	Green/Red
9	Red/Brown	Brown/Red
10	Red/Gray	Gray/Red

11	Black/Blue	Blue/Black
12	Black/Orange	Orange/Black
13	Black/Green	Green/Black
14	Black/Brown	Brown/Black
15	Black/Gray	Gray/Black
16	Yellow/Blue	Blue/Yellow
17	Yellow/Orange	Orange/Yellow
18	Yellow/Green	Green/Yellow
19	Yellow/Brown	Brown/Yellow
20	Yellow/Gray	Gray/Yellow
21	Violet/Blue	Blue/Violet
22	Violet/Orange	Orange/Violet
23	Violet/Green	Green/Violet
24	Violet/Brown	Brown/Violet
25	Violet/Gray	Gray/Violet

ELECTRICAL CHARACTERISTICS

Conductor DC Resistance: 0.064 Ohms/ft Nominal @ 20°C

SAFETY CERTIFICATION

UL Recognized (Applies to Primaries): AWM Style 10238 105°C 150 Volts
RoHS Compliance: In Accordance to European Directive 2002/95/EC, Issue 13.2.2003

125 Goddard Memorial Drive • Worcester, MA 01603 USA
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REVISION HISTORY

1	10/31/07	HA	Initial Release
2	01/25/08	HA	Added Insulation OD Tolerance
3	02/27/08	RL	Revised Insulation
4	03/17/08	RL	Added Approval

Spec Number:	101-6566		
Part Number:	505D0LF001		
Customer:		Prepared By: R. Lemos	
Customer #:		Reviewed By: B. Harvie	B. Morissette
			Page 1 of 1

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.

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