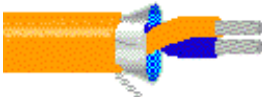


3076F Paired - DataBus® ISA/SP-50 FOUNDATION Fieldbus or PROFIBUS Cable

 	For more information please call 1-800-Belden1 <u>See Put-ups and Colors</u>
--	---

Description:

18 AWG stranded (7x26) tinned copper conductors, polyolefin insulation, Beldfoil® shield (100% coverage), tinned copper drain wire, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	1
Total Number of Conductors	2
AWG	18
Stranding	7x26
Conductor Diameter	.048 in.
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	PO - Polyolefin
Lay Length	2.25 in.

Pair Color Code Chart :

Number	Color
1	Blue & Orange

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil®
Outer Shield Type	Tape
Outer Shield Material	Aluminum Foil-Polyester Tape
Outer Shield %Coverage	100 %

OUTER SHIELD DRAIN WIRE :

Outer Shield Drain Wire AWG	20
Outer Shield Drain Wire Stranding	7x28
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
-----------------------	--------------------------

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.271 in.
--------------------------	----------

3076F Paired - DataBus® ISA/SP-50 FOUNDATION Fieldbus or PROFIBUS Cable

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-30°C To +105°C
UL Temperature Rating	105°C
Bulk Cable Weight	38 lbs/1000 ft.
Max. Recommended Pulling Tension	59 lbs.
Min. Bend Radius (Install)	2.7 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	PLTC, CM, ITC
CEC/C(UL) Specification	CM
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

FLAME TEST:

UL Flame Test	UL1685 UL Loading
---------------	-------------------

SUITABILITY:

Suitability - Indoor	Yes
Suitability - Outdoor	Yes
Sunlight Resistance	Yes

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
--------------	---

ELECTRICAL CHARACTERISTICS:

Unaveraged Impedance :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Unaveraged Impedance (Ohms)
	.03125			100

Nom. Inductance	.19 µH/ft
Nom. Capacitance Conductor to Shield @ 1 KHz	45.0 pF/ft
Nom. Mutual Capacitance @ 1 KHz	24.0 pF/ft
Maximum Capacitance Unbalance @ 1 KHz	1.2 pF/ft
Nominal Velocity of Propagation	66 %
Nom. Conductor DC Resistance @ 20 Deg. C	5.86 Ohms/1000 ft
Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C	7.5 Ohms/1000 ft

Nom. Attenuation (dB/100 ft) :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	.039			.08

Max. Attenuation (dB/100 ft.) :

3076F Paired - DataBus® ISA/SP-50 FOUNDATION Fieldbus or PROFIBUS Cable

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Attenuation (dB/100 ft.)
	.039			.091

Max. Operating Voltage - UL 300 V RMS

Max. Recommended Current :

Description	Max. Recommended Current
Per Conductor	5.2 Amps

Other Electrical Characteristic 1 Max Propagation Delay Change From 7.812 kHz to 39.06 kHz: 518 pS/ft

Other Electrical Characteristic 2 31.25 KBits/sec

NOTES:

Notes	Fieldbus: Orange jacket. Profibus PA: Intrinsically Safe Blue jacket. CPE Jacket is optional. Tape around pair has shorting fold.
-------	---

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
3076F 0031000	TWPR #18 PP FS PVC	1000	39	ORANGE	C
3076F 003250	TWPR #18 PP FS PVC	250	11.75	ORANGE	C
3076F 0032500	TWPR #18 PP FS PVC	2500	97.5	ORANGE	C
3076F 003500	TWPR #18 PP FS PVC	500	21	ORANGE	C
3076F 0035000	TWPR #18 PP FS PVC	5000	190	ORANGE	C
3076F 0061000	TW PR #18 PP FS PVC	1000	39	BLUE, LIGHT	C

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 01-29-2007

3076F Paired - DataBus® ISA/SP-50 FOUNDATION Fieldbus or PROFIBUS Cable

© Copyright 2006 Belden, Inc
All Rights Reserved.

Although Belden ("Belden") makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with the following environmental regulations: California Proposition 65 Consent Judgment For Wire & Cable Mfgs. (San Francisco Superior Court Nos. 312962 And 320342); EU RoHS (Directive 2002/95/EC, 27-Jan-2003); Material manufactured prior to the compliance date may still be in stock at Belden facilities and in our Distributor's inventory. EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); And EU BFR (Directive 2003/11/EC, 6-Feb-2003). The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information and belief at the date of its publication. The information provided in the Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.