

83803 Non-Paired - Power-Limited Fire Protective, Control & Instrum Cable

		<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> <p>Related Documents : No. 2 and 2R (ICEA).pdf</p>
--	--	--

Description:

12 AWG stranded (7x20) TC conductors, conductors cabled, plenum, FEP insulation, Beldfoil® (100% coverage) + TC braid shield (85% coverage), FEP jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Conductors	3
Total Number of Conductors	3
AWG	12
Stranding	7x20
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material Trade Name	Teflon®
Insulation Material	FEP - Fluorinated Ethylene Propylene
Nom. Insulation Wall Thickness	.016 in.

OVERALL CABLING:

Overall Cabling Lay Length	3.0 in.
----------------------------	---------

Overall Cabling Color Code Chart :

Number	Color	Number	Color
1	Black	3	Red
2	White		

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil®
Outer Shield Type	Tape/Braid

Outer Shield Material :

Layer Number	Material Trade Name	Type	Material	% Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	85

Outer Shield % Coverage	100 %
-------------------------	-------

83803 Non-Paired - Power-Limited Fire Protective, Control & Instrum Cable

OUTER JACKET:

Outer Jacket Material Trade Name	Teflon®
Outer Jacket Material	FEP - Fluorinated Ethylene Propylene
Outer Jacket Nominal Wall Thickness	.015 in.

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.323 in.
--------------------------	----------

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-70°C To +200°C
UL Temperature Rating	200°C
Bulk Cable Weight	106 lbs/1000 ft.
Min. Bend Radius (Install)	3.25 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	FPLP, CMP
NEC Articles	760
CEC/C(UL) Specification	CMP
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005

FLAME TEST:

UL Flame Test	NFPA 262
C(UL) Flame Test	FT6

PLENUM/NON-PLENUM:

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

ELECTRICAL CHARACTERISTICS:

Nom. Capacitance Conductor to Conductor @ 1 KHz	32 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	55 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	1.7 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS (UL AWM Style 1424)
Max. Recommended Current	20 Amps per conductor @ 25°C

NOTES:

Notes	Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
-------	---

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
------	-------------	--------------	--------------------	--------------	-------

83803 Non-Paired - Power-Limited Fire Protective, Control & Instrum Cable

83803 002100	3#12 FEP SH FEP	100	10.6	RED	C
83803 0021000	3#12 FEP SH FEP	1000	111	RED	C
83803 002500	3#12 FEP SH FEP	500	56.5	RED	C

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 01-19-2006

© 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.