

83803 Multi-Conductor - Power-Limited Fire Protective, Control & Instrum Cable



For more Information
please call

1-800-Belden1

**Description:**

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

Physical Characteristics (Overall)**Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material
3	12	7x20	TC - Tinned Copper

Insulation**Insulation Material:**

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

Outer Shield**Outer Shield Material:**

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

Outer Jacket**Outer Jacket Material:**

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

Overall Cable**Overall Cabling Lay Length & Direction:**

Length (in.)
3.0

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White
3	Red

Overall Nominal Diameter: 0.323 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

UL Temperature Rating: 200°C

Bulk Cable Weight: 106 lbs/1000 ft.

Min. Bend Radius (Install)/Minor Axis: 3.250 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: FPLP, CMP

NEC Articles: 760

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CEC/C(UL) Specification:	CMP
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flame Test

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

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

32

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

55

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

1.7

Max. Operating Voltage - UL:

Voltage

300 V RMS (UL AWM Style 1424)

Max. Recommended Current:

Current

20 Amps per conductor @ 25°C

Notes (Overall)

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

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83803 002100	100 FT	10.600 LB	RED	C	3#12 FEP SH FEP
83803 0021000	1,000 FT	111.000 LB	RED	C	3#12 FEP SH FEP
83803 002500	500 FT	56.500 LB	RED	C	3#12 FEP SH FEP

Notes:

C = CRATE REEL PUT-UP.

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