Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



87777 Multi-Conductor - CMP Rated (Plenum) Cable



For more Information please call

1-800-Belden1



General Description:

22 AWG stranded (7x30) TC conductor, FEP insulation, twisted pairs individually shielded with Beldfoil® (100% coverage), overall jacket per table below, 22 AWG stranded TC drain wire.

Physical Characteristics (Overall) Conductor AWG: # Pairs AWG Stranding Conductor Material Dia. (in.) 22 7x30 TC - Tinned Copper | .030 **Total Number of Conductors:** 6 Insulation Insulation Material: **Insulation Material** Wall Thickness (in.) FEP - Fluorinated Ethylene Propylene | 0.010 Insulation Resistance: 200,000 megaohms/1000 ft. @500 Volts DC (Cond. to Cond.); 75,000 megaohms/1000 ft. @ 500 Volts DC (Cond. to Shield) Inner Shield Inner Shield Material: Inner Shield Trade Name Type Inner Shield Material Coverage (%) Beldfoil® (Z-Fold®) Tape | Aluminum Foil-Polyester Tape | 100 Inner Shield Drain Wire AWG: AWG 22 Inner Shield Drain Wire Stranding: Stranded Inner Shield Drain Wire Conductor Material: TC - Tinned Copper **Outer Shield** Outer Shield Material: **Outer Shield Material** Unshielded **Outer Jacket Outer Jacket Material:** Outer Jacket Material Nom. Wall Thickness (in.) PVDF - Fluorocopolymer | 0.014 **Overall Cable Overall Nominal Diameter:** 0.234 in Pair Pair Color Code Chart: Number Color Black & Red Black & White Black & Green **Mechanical Characteristics (Overall) Operating Temperature Range:** -20°C To +150°C **Bulk Cable Weight:** 36 lbs/1000 ft. 82 lbs. Max. Recommended Pulling Tension: 2.500 in. Min. Bend Radius/Minor Axis:

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

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CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
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
CSA Flame Test:	FT6
Plenum/Non-Plenum	
Plenum (Y/N):	Yes
Non-Plenum Number:	8777

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



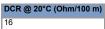
Nominal Velocity of Propagation:



Nominal Delay:



Maximum Conductor DC Resistance:



Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:

11.300 Ohm/1000 ft

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

3.5 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
87777 0021000	1,000 FT	39.000 LB	RED	С	3 SH PR #22 FEP SOLEF
87777 002500	500 FT	19.500 LB	RED	С	3 SH PR #22 FEP SOLEF

Notes: C = CRATE REEL PUT-UP.

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Revision Number: 2 Revision Date: 09-19-2012

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