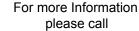
Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



88777 Multi-Conductor - CMP Rated (Plenum) Cable



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.

6

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
3	22	7x30	TC - Tinned Copper	0.762

Total Number of Conductors:

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (mm)
Teflon®	FEP - Fluorinated Ethylene Propylene	0.254

Inner Shield

Inner Shield Material:

Inner Shield Trade Name		Туре	Inner Shield Material	• •			
	Beldfoil® (Z-Fold®)	Tape	Aluminum Foil-Polyester Tape	100			

Inner Shield Drain Wire AWG:

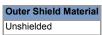


Inner Shield Drain Wire Stranding: 16x34

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Shield

Outer Shield Material:



Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)	
Teflon®	FEP - Fluorinated Ethylene Propylene	0.356	

Overall Cable

Overall Nominal Diameter: 5.944 mm

Pair

Pair Color Code Chart:

Number	Color		
1	Black & Red		
2	Black & White		
3	Black & Green		

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 55.063 Kg/Km

Page 1 of 3 10-30-2013

Detailed Specifications & Technical Data





88777 Multi-Conductor - CMP Rated (Plenum) Cable

Max. Recommended Pulling Tension:	364.752 N	
Min. Bend Radius/Minor Axis:	63.500 mm	
licable Specifications and Agency (Compliance (Overall)	
licable Standards & Environmental Pro		
NEC/(UL) Specification:	CMP	
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	
ne Test		
UL Flame Test:	NFPA 262	
CSA Flame Test:	FT6	

Yes

8777

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Non-Plenum Number:

Impedance (Ohm)
50

Plenum (Y/N):

Nom. Inductance:

Inductance (µH/m) 0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 101.711

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 219.827

Nominal Velocity of Propagation:

VP (%) 69

Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m) 52.496

Ind. Pair Nominal Shield DC Resistance @ 20 37.075 Ohm/km Deg. C:

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Page 2 of 3 10-30-2013

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



88777 Multi-Conductor - CMP Rated (Plenum) Cable

Current
1.96 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.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
88777 002100	30 MT	2.676 KG	RED	С	3 SH PR #22 FEP FEP
88777 0021000	305 MT	18.597 KG	RED	С	3 SH PR #22 FEP FEP
88777 002500	152 MT	9.072 KG	RED	С	3 SH PR #22 FEP FEP
88777 0025000	1,524 MT	88.451 KG	RED		3 SH PR #22 FEP FEP

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 08-16-2012

© 2013 Belden, Inc All Rights Reserved.

Although 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 EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. 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 this 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.

Page 3 of 3 10-30-2013