Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



88778 Multi-Conductor - CMP Rated (Plenum) Cable



For more Information please call

1-800-Belden1



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.)
6	22	7x30	TC - Tinned Copper	.030

Insulation

Insulation Material:

Insulation Trade Name		Insulation Material	Dia. (in.)
Te	flon®	FEP - Fluorinated Ethylene Propylene	.050

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:

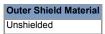


Inner Shield Drain Wire Stranding: Stranded

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
Teflon®	FEP - Fluorinated Ethylene Propylene

Overall Cable

Overall Nominal Diameter: 0.309 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown

Pair Lay Length & Direction:

Lay Length (in.) Twists/ft. (twist/ft) Direction

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1.500	8.000	Left Hand Lay

As also missed. Observatoristics (Osservall)				
Mechanical Characteristics (Overall)				
Operating Temperature Range:	-70°C To +200°C			
Bulk Cable Weight:	72 lbs/1000 ft.			
Max. Recommended Pulling Tension:	163 lbs.			
Min. Bend Radius (Install)/Minor Axis:	3.500 in.			
Applicable Specifications and Agency Co	mpliance (Overall)			
Applicable Standards & Environmental Progra				
NEC/(UL) Specification:	CMP			
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			
Non-Plenum Number:	8778			

Electrical Characteristics (Overall)

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Impedance	(Ohm)
50	

Nom. Inductance:



Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
31

Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m) 16.0

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

11.300 Ohm/1000 ft

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Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

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.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
88778 002100	100 FT	7.000 LB	RED	С	6 SH PR #22 FEP FEP
88778 0021000	1,000 FT	75.000 LB	RED	С	6 SH PR #22 FEP FEP
88778 002500	500 FT	38.500 LB	RED	С	6 SH PR #22 FEP FEP

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-17-2008

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