

88777 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.)
3.000	22	7x30	TC - Tinned Copper	0.030

Insulation:

Insulation Material

Ins Trade Name	Ins Material	Dia. (in.)
Teflon®	FEP - Fluorinated Ethylene Propylene	0.050

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

AWG
22

Inner Shield Drain Wire Stranding 16x34

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 Trade Name	Outer Jacket Material
Teflon®	FEP - Fluorinated Ethylene Propylene

Overall Cabling:

Overall Nominal Diameter: .234 in.

Pair:

Pair Color Code Chart

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

Pair Lay Length & Direction

Lay Length (in.)	Lay Length (in.)	Lay Length	Twists/ft. (twist/ft)
1.500	Left Hand Lay	8	8.000

Mechanical Characteristics (Overall):

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

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Bulk Cable Weight:	38.900 lbs/1000 ft.
Max. Recommended Pulling Tension:	82 lbs.
Min. Bend Radius (Install):	2.300 in.

Applicable Specifications and Agency Compliance (Overall):

Applicable Standards:

NEC/(UL) Specification	CMP
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
Non-Plenum Number	8777

Electrical Characteristics (Overall):

Nom. Characteristic Impedance

Impedance (Ohm)
50.000

Nom. Inductance

Inductance (µH/ft)
0.180

Nom. Capacitance Conductor to Conductor

Capacitance (pF/ft)
31.000

Nom. Capacitance Cond. to Other Conductor & Shield

Capacitance (pF/ft)
67.000

Nominal Velocity of Propagation

VP (%)
69

Maximum Conductor DC Resistance

DCR @ 20°C (Ohm/100 m)
16.000

Max. Operating Voltage - UL

Voltage
300 V RMS

Max. Recommended Current

Current
1.96 Amps per conductor @ 25°C

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:11.300 Ohm/1000 ft

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	Jacket Color	Notes	Item Desc
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88777 002100	100 FT	6.000 LB	RED	C	3 SH PR #22 FEP FEP RED
88777 0021000	1,000 FT	42.000 LB	RED	C	3 SH PR #22 FEP FEP RED
88777 002500	500 FT	19.000 LB	RED	C	3 SH PR #22 FEP FEP RED

Notes:

C = CRATE REEL PUT-UP.

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