Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



88761 Multi-Conductor - Single-Pair Cable



For more Information please call

1-800-Belden1



Description:

22 AWG stranded (7x30) TC conductors, plenum, FEP insulation, twisted pair, polyester separator tape, overall Beldfoil® shield (100% coverage), 22 AWG stranded TC drain wire, FEP jacket.

2

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	22	7x30	TC - Tinned Copper

Total Number of Conductors:

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
FEP - Fluorinated Ethylene Propylene	0.178

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type Outer Shield Material		Coverage (%)
Beldfoil®	Таре	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	Stranded	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

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

Overall Cable

Overall Nominal Diameter: 2.946 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

Mechanical Characteristics (Overall)

Operating Temperature Range:	-70°C To +200°C
Bulk Cable Weight:	19.347 Kg/Km
Max. Recommended Pulling Tension:	120.101 N
Min. Bend Radius/Minor Axis:	31.750 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP

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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:	8761

Electrical Characteristics (Overall)

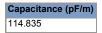
Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 219.827

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 49.215

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 39.372

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Current2.8 Amps per conductor @ 25°C

Notes (Overall)

Notes: For use in indoor plenum environments but also suitable for outdoor and underground applications. 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
88761 002U1000	305 MT	6.804 KG	RED		2 #22 FEP FS FEP
88761 002100	30 MT	1.270 KG	RED	С	2#22 FEP FS FEP
88761 0021000	305 MT	6.804 KG	RED	С	2#22 FEP FS FEP

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88761 002500	152 MT	3.629 KG	RED	С	2#22 FEP FS FEP
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Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 08-15-2012

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