

## 87761 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, overall Beldfoil® shield (100% coverage), 22 AWG stranded TC drain wire, fluorocopolymer jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

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

Total Number of Conductors: 2

**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® (Z-Fold®)	Tape	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)
PVDF - Fluorocopolymer	0.3556

**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 +150°C
Bulk Cable Weight:	16.370 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

## 87761 Multi-Conductor - Single-Pair Cable

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 &amp; 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:

Impedance (Ohm)

42

## Nom. Inductance:

Inductance (μH/m)

0.52496

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

114.835

## Nom. Capacitance Cond. to Other Conductor &amp; Shield:

Capacitance (pF/m)

219.827

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

52.496

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

39.372

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Max. Recommended Current:

Current

2.8 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
87761 0021000	305 MT	5.897 KG	RED	C	2#22 FEP FS SOLEF
87761 002500	152 MT	3.175 KG	RED	C	2#22 FEP FS SOLEF
87761 0025000	1,524 MT	27.216 KG	RED		2 #22 FEP FS SOLEF

## Notes:

C = CRATE REEL PUT-UP.

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