

## 82761 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, Flamarrest® jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

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

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (in.)
FEP - Fluorinated Ethylene Propylene	.006

#### 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 Trade Name	Outer Jacket Material	Nom. Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	.014

#### Overall Cable

Overall Nominal Diameter: 0.116 in.

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & Red

### Mechanical Characteristics (Overall)

Operating Temperature Range: 0°C To +75°C

Bulk Cable Weight: 10.800 lbs/1000 ft.

Max. Recommended Pulling Tension: 27 lbs.

Min. Bend Radius (Install)/Minor Axis: 1.200 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

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
MIL 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:	8761

## Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

42

#### Nom. Inductance:

Inductance (µH/ft)

.16

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

35

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

Capacitance (pF/ft)

67

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

15

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

12

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Recommended Current:

Current

2.8 Amps per conductor @ 25°C

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
82761 877U1000	1,000 FT	13.000 LB	NATURAL		1 PR #22 FEP FS FLRST
82761 877U500	500 FT	7.000 LB	NATURAL		1 PR #22 FEP FS FLRST
82761 8771000	1,000 FT	13.000 LB	NATURAL	C	1 PR #22 FEP FS FLRST
82761 8775000	5,000 FT	60.000 LB	NATURAL		1 PR #22 FEP FS FLRST

#### Notes:

C = CRATE REEL PUT-UP.

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