

## 82760 Multi-Conductor - Single-Pair Cable

For more Information  
please call

1-800-Belden1

**Description:**

18 AWG stranded (19x30) TC conductors, plenum, FEP insulation, twisted pair, overall Beldfoil® shield (100% coverage), 20 AWG stranded TC drain wire, Flamarrest® jacket.

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

# Pairs	AWG	Stranding	Conductor Material
1	18	19x30	TC - Tinned Copper

**Insulation****Insulation Material:**

Insulation Material	Wall Thickness (in.)
FEP - Fluorinated Ethylene Propylene	.007

**Outer Shield****Outer Shield Material:**

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil® with shorting fold	Tape	Aluminum Foil-Polyester Tape	100.000

**Outer Shield Drain Wire AWG:**

AWG	Stranding	Drain Wire Conductor Material
20	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: 0.146 in.

**Pair****Pair Color Code Chart:**

Number	Color
1	Black & Red

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -20°C To +75°C

Bulk Cable Weight: 22.500 lbs/1000 ft.

Max. Recommended Pulling Tension: 64 lbs.

Min. Bend Radius (Install)/Minor Axis: 1.600 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

EU CE Mark: Yes

## 82760 Multi-Conductor - Single-Pair Cable

EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MIL Order #39 (China RoHS):	Yes
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**Flame Test**

UL Flame Test:	NFPA 262
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C(UL) Flame Test:	FT6
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**Plenum/Non-Plenum**

Plenum (Y/N):	Yes
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Non-Plenum Number:	8760
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**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
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35
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**Nom. Inductance:**

Inductance (μH/ft)
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.15
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**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)
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51
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**Nom. Capacitance Cond. to Other Conductor & Shield:**

Capacitance (pF/ft)
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97
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**Nominal Velocity of Propagation:**

VP (%)
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69
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**Nominal Delay:**

Delay (ns/ft)
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1.47
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**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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5.5
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**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
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7.3
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**Max. Operating Voltage - UL:**

Voltage
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300 V RMS
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**Max. Recommended Current:**

Current
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5.4 Amps per conductor @ 25°C
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**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

## 82760 Multi-Conductor - Single-Pair Cable

Item #	Putup	Ship Weight	Color	Notes	Item Desc
82760 877U1000	1,000 FT	21.000 LB	NATURAL		1 PR #18 FEP FS FLMRST
82760 877U500	500 FT	11.000 LB	NATURAL		1 PR #18 FEP FS FLMRST
82760 8771000	1,000 FT	22.000 LB	NATURAL	C	1 PR #18 FEP FS FLMRST
82760 8775000	5,000 FT	105.000 LB	NATURAL		1 PR #18 FEP FS FLMRST

**Notes:**

C = CRATE REEL PUT-UP.

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