

**82760 Paired - Single-Pair Cable**

		<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p>
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**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:**

**CONDUCTOR:**

Number of Pairs	1
Total Number of Conductors	2
AWG	18
Stranding	19x30
Conductor Material	TC - Tinned Copper

**INSULATION:**

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

Pair Color Code Chart :

Number	Color
1	Black & Red

**OUTER SHIELD:**

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

**OUTER SHIELD DRAIN WIRE :**

Outer Shield Drain Wire AWG	20
Outer Shield Drain Wire Stranding	Stranded
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

**OUTER JACKET:**

Outer Jacket Material Trade Name	Flamarrest®
Outer Jacket Material	LS PVC - Low Smoke Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	.014 in.

**OVERALL NOMINAL DIAMETER:**

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Overall Nominal Diameter	.146 in.
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### MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +75°C
Bulk Cable Weight	22.5 lbs/1000 ft.
Max. Recommended Pulling Tension	64 lbs.
Min. Bend Radius (Install)	1.6 in.

### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### 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	8760

#### ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	35 Ohms
Nom. Inductance	.15 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	51 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	97 pF/ft
Nominal Velocity of Propagation	69 %
Nominal Delay	1.47 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	5.5 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	7.3 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	5.4 Amps per conductor @ 25°C

#### PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
82760 8771000	1 PR #18 FEP FS FLMRST	1000	21	NATURAL	C
82760 877U1000	1 PR #18 FEP FS FLMRST	U1000	22	NATURAL	
82760 877U500	1 PR #18 FEP FS FLMRST	U500	12	NATURAL	

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C = CRATE REEL PUT-UP.

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