

## 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

Total Number of Conductors: 2

**Insulation**

Insulation Material:

Insulation Material	Wall Thickness (mm)
FEP - Fluorinated Ethylene Propylene	0.1778

**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 (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.3556

**Overall Cable**

Overall Nominal Diameter: 3.708 mm

**Pair**

Pair Color Code Chart:

Number	Color
1	Black & Red

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +75°C
Bulk Cable Weight:	29.764 Kg/Km
Max. Recommended Pulling Tension:	284.685 N
Min. Bend Radius/Minor Axis:	38.100 mm

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

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

## 82760 Multi-Conductor - Single-Pair Cable

EU CE Mark:	Yes
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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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MII Order #39 (China RoHS):	Yes
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## Flame Test

UL Flame Test:	NFPA 262
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CSA 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)

35

## Nom. Inductance:

Inductance (μH/m)

0.49215

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

167.331

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

Capacitance (pF/m)

318.257

## Nominal Velocity of Propagation:

VP (%)

69

## Nominal Delay:

Delay (ns/m)

4.82307

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

18.046

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

23.9513

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Max. Recommended Current:

Current

5.4 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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## 82760 Multi-Conductor - Single-Pair Cable

82760 877U1000	305 MT	9.525 KG	NATURAL		1 PR #18 FEP FS FLMRST
82760 877U500	152 MT	4.990 KG	NATURAL		1 PR #18 FEP FS FLMRST
82760 8771000	305 MT	9.979 KG	NATURAL	C	1 PR #18 FEP FS FLMRST
82760 8775000	1,524 MT	47.627 KG	NATURAL		1 PR #18 FEP FS FLMRST

**Notes:**

C = CRATE REEL PUT-UP.

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