

## 8780 Multi-Conductor - Single-Pair Cable

For more Information  
please call

1-800-Belden1



### Description:

16 AWG stranded (19x29) tinned copper conductors, PVC insulation, twisted pair, tinned copper spiral wrapped shield (85% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	16	19x29	TC - Tinned Copper	.059

Total Number of Conductors: 2

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.023

#### Outer Shield

##### Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Spiral Serve	TC - Tinned Copper	85

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.030

#### Overall Cable

Overall Nominal Diameter: 0.280 in.

#### Pair

##### Pair Color Code Chart:

Color
Black and White

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

UL Temperature Rating: 60°C

Bulk Cable Weight: 42 lbs/1000 ft.

Max. Recommended Pulling Tension: 61 lbs.

Min. Bend Radius/Minor Axis: 3 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG

CEC/C(UL) Specification: CMG

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
MII Order #39 (China RoHS):	Yes

### Flame Test

CSA Flame Test:	FT4
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### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

37

### Nom. Inductance:

Inductance (µH/ft)

0.18

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

57

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

Capacitance (pF/ft)

98

### Nominal Velocity of Propagation:

VP (%)

65

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.75

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

19

### Max. Operating Voltage - UL:

Voltage

300 V RMS

### Max. Recommended Current:

Current

7.1 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8780 060U1000	1,000 FT	44.000 LB	CHROME		1 PR #16 PVC SHLD PVC
8780 0601000	1,000 FT	46.000 LB	CHROME	C	1 PR #16 PVC SHLD PVC
8780 060500	500 FT	23.000 LB	CHROME	C	1 PR #16 PVC SHLD PVC
8780 0605000	5,000 FT	225.000 LB	CHROME		1 PR #16 PVC SHLD PVC

### Notes:

C = CRATE REEL PUT-UP.

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