

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

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

Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
2.000	6.000

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 (Install)/Minor Axis: 5.300 in.

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

NEC/(UL) Specification: CMG

CEC/C(UL) Specification: CMG

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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

C(UL) 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

Related Documents:

No related documents are available for this product

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

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Notes:

C = CRATE REEL PUT-UP.

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