

8790 Multi-Conductor - Single-Pair Cable

For more Information
please call

1-800-Belden1

**Description:**

18 AWG stranded (7x26) 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. (mm)
1	18	7x26	TC - Tinned Copper	1.1684

Insulation**Insulation Material:**

Insulation Material
PVC - Polyvinyl Chloride

Outer Shield**Outer Shield Material:**

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

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cabling

Overall Nominal Diameter: 6.121 mm

Pair**Pair Color Code Chart:**

Color
Red and White

Pair Lay Length & Direction:

Lay Length (mm)	Twists/ft. (twist/m)
50.7998	19.686

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
Bulk Cable Weight:	46.134 Kg/Km
Max. Recommended Pulling Tension:	200.169 N
Min. Bend Radius (Install)/Minor Axis:	60.960 mm

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

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
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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MIL Order #39 (China RoHS):	Yes
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Flame Test

UL Flame Test:	UL1685 FT4 Loading
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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)

41

Nom. Inductance:

Inductance (μH/m)

0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

173.893

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

301.852

Nominal Velocity of Propagation:

VP (%)

65

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

20.6703

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

29.2009

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

5.2 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
8790 060U1000	305 MT	14.969 KG	CHROME		1 PR#18 PVC SHLD PVC
8790 060U500	152 MT	7.938 KG	CHROME		1 PR #18 PVC SHLD PVC
8790 0601000	305 MT	15.876 KG	CHROME	C	1 PR #18 PVC SHLD PVC

METRIC MEASUREMENT VERSION

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8790 060500	152 MT	7.711 KG	CHROME	C	1 PR#18 PVC SHLD PVC
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Notes:

C = CRATE REEL PUT-UP.

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