

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. (in.)
1	18	7x26	TC - Tinned Copper	.046

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 Cable

Overall Nominal Diameter: 0.241 in.

Pair

Pair Color Code Chart:

Color
Red 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

Bulk Cable Weight: 31 lbs/1000 ft.

Max. Recommended Pulling Tension: 45 lbs.

Min. Bend Radius (Install)/Minor Axis: 2.400 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

UL Flame Test: UL1685 FT4 Loading

CSA Flame Test: FT4

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

41

Nom. Inductance:

Inductance (μH/ft)

0.18

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

53

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

92

Nominal Velocity of Propagation:

VP (%)

65

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.3

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

8.9

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	1,000 FT	33.000 LB	CHROME		1 PR#18 PVC SHLD PVC
8790 060U500	500 FT	17.500 LB	CHROME		1 PR #18 PVC SHLD PVC
8790 0601000	1,000 FT	35.000 LB	CHROME	C	1 PR #18 PVC SHLD PVC

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8790 060500	500 FT	17.000 LB	CHROME	C	1 PR#18 PVC SHLD PVC
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Notes:

C = CRATE REEL PUT-UP.

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