Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



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:

Туре	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:



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

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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	

No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Plenum (Y/N):

Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



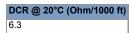
Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nom. Conductor DC Resistance:



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		PR #18 PVC SHLD PVC
8790 0601000	1,000 FT	35.000 LB	CHROME	С	1 PR #18 PVC SHLD PVC

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

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-17-2008

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