

## 8790 Paired - Single-Pair Cable

		<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p>
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### Description:

18 AWG stranded (7x26) tinned copper conductors, PVC insulation, twisted pair, tinned copper spiral wrapped shield (85% coverage), PVC jacket.

### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR:

Number of Pairs	1
Total Number of Conductors	2
AWG	18
Stranding	7x26
Conductor Diameter	.046 in.
Conductor Material	TC - Tinned Copper

#### INSULATION:

Insulation Material	PVC - Polyvinyl Chloride
Lay Length	2 in.
Twists/ft.	6
Pair Diameter	.090 in.
Pair Color Code Chart	Red and White

#### OUTER SHIELD:

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

#### OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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#### OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.241 in.
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#### MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +60°C
Bulk Cable Weight	32.6 lbs/1000 ft.
Max. Recommended Pulling Tension	45 lbs.
Min. Bend Radius (Install)	2.4 in.

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### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### APPLICABLE STANDARDS:

NEC/(UL) Specification	CMG
CEC/C(UL) Specification	CMG
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005

#### FLAME TEST:

UL Flame Test	UL1685 FT4 Loading
CSA Flame Test	FT4

#### PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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#### ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	41 Ohms
Nom. Inductance	0.18 $\mu$ H/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	53 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	92 pF/ft
Nominal Velocity of Propagation	65 %
Nom. Conductor DC Resistance @ 20 Deg. C	6.3 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	8.9 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	5.2 Amps per conductor @ 25°C

#### PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8790 0601000	1 PR #18 PVC SHLD PVC	1000	35	CHROME	C
8790 060500	1 PR#18 PVC SHLD PVC	500	17	CHROME	C
8790 060U1000	1 PR#18 PVC SHLD PVC	U1000	33	CHROME	
8790 060U500	1PR #18 PVC SHLD PVC	U500	17.5	CHROME	

C = CRATE REEL PUT-UP.

Revision Number: 1      Revision Date: 07-27-2005

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