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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

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

MIL 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/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

### 8790 Multi-Conductor - Single-Pair Cable

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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- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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