

## 8759 Multi-Conductor - Single-Pair Cable

For more Information  
please call

1-800-Belden1



### Description:

20 AWG stranded (7x28) tinned copper conductors, PVC insulation, twisted pair, tinned copper spiral wrapped shield (89% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
1	20	7x28	TC - Tinned Copper

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.016

#### Outer Shield

##### Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Spiral Serve	TC - Tinned Copper	89

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.025

#### Overall Cable

Overall Nominal Diameter: 0.199 in.

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & Red

##### Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
1.440	8.300

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2095)
Bulk Cable Weight:	23 lbs/1000 ft.
Max. Recommended Pulling Tension:	25 lbs.
Min. Bend Radius (Install)/Minor Axis:	2 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG

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**AWM Specification:** UL Style 2095 (300 V 80°C)

**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):** 10/01/2005

**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

**C(UL) Flame Test:** FT4

### Plenum/Non-Plenum

**Plenum (Y/N):** No

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

**Impedance (Ohm)**

43

### Nom. Inductance:

**Inductance (µH/ft)**

0.17

### Nom. Capacitance Conductor to Conductor:

**Capacitance (pF/ft)**

47

### Nom. Capacitance Cond. to Other Conductor & Shield:

**Capacitance (pF/ft)**

79

### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/1000 ft)**

10

### Max. Operating Voltage - UL:

**Voltage**

300 V RMS

### Max. Recommended Current:

**Current**

3.9 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
8759 060U1000	1,000 FT	24.000 LB	CHROME		1 PR #20 PVC SHLD PVC
8759 060U500	500 FT	12.500 LB	CHROME		2 #20 PVC SHLD PVC
8759 0601000	1,000 FT	25.000 LB	CHROME	C	1 PR#20 PVC SHLD PVC

### Notes:

C = CRATE REEL PUT-UP.

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