

## 8760 Multi-Conductor - Shielded Twisted Pair Cable

For more Information  
please call

1-800-Belden1



### General Description:

18 AWG stranded (16x30) tinned copper conductors, polyethylene insulation, twisted pair, overall Beldfoil® shield (100% coverage), 20 AWG stranded tinned copper drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	18	16x30	TC - Tinned Copper

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PE - Polyethylene	0.457

#### Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
20	7x28	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.711

#### Overall Cable

Overall Nominal Diameter: 5.639 mm

#### Pair

Pair Color Code Chart:

Number	Color
1	Black & Clear

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

Bulk Cable Weight: 37.205 Kg/Km

Max. Recommended Pulling Tension: 240.203 N

Min. Bend Radius/Minor Axis: 57.150 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CM

## 8760 Multi-Conductor - Shielded Twisted Pair Cable

**AWM Specification:** UL Style 2092 (300 V 60°C)

**EU Directive 2011/65/EU (ROHS II):** Yes

**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):** 01/01/2004

**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 UL Loading

### Suitability

**Suitability - Indoor:** Yes

### Plenum/Non-Plenum

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

**Plenum Number:** 88760, 87760 or 82760

## Electrical Characteristics (Overall)

### Nom. Inductance:

**Inductance (µH/m)**

0.59058

### Nom. Capacitance Conductor to Conductor:

**Capacitance (pF/m)**

89.243

### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/km)**

21.3265

### Max. Operating Voltage - UL:

**Voltage**

300 V RMS

### Max. Recommended Current:

**Current**

7.2 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8760 060U1000	1,000 FT	27.000 LB	CHROME		2 #18 LDPE SH PVC
8760 060U500	500 FT	14.000 LB	CHROME		2 #18 LDPE SH PVC
8760 060Z1000	1,000 FT	29.000 LB	CHROME		2 #18 LDPE SH PVC
8760 0601000	1,000 FT	27.000 LB	CHROME		2 #18 LDPE SH PVC
8760 06010000	10,000 FT	270.000 LB	CHROME	C Y	2 #18 LDPE SH PVC
8760 06010001	10,000 FT	270.000 LB	CHROME	C Z	2 #18 LDPE SH PVC
8760 06015000	15,000 FT	435.000 LB	CHROME	C Y	2 #18 LDPE SH PVC
8760 0602000	2,000 FT	54.000 LB	CHROME	C	2 #18 LDPE SH PVC
8760 060250	250 FT	7.000 LB	CHROME		2 #18 LDPE SH PVC
8760 060500	500 FT	14.000 LB	CHROME	C	2 #18 LDPE SH PVC
8760 0605000	5,000 FT	145.000 LB	CHROME	C	2 #18 LDPE SH PVC

Notes:

## METRIC MEASUREMENT VERSION

### 8760 Multi-Conductor - Shielded Twisted Pair Cable

C = CRATE REEL PUT-UP.

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN.MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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