

## 8760 Multi-Conductor - Shielded Twisted Pair Cable

For more Information  
please call

1-800-Belden1

**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 |

**Insulation****Insulation Material:**

| Insulation Material | Wall Thickness (in.) |
|---------------------|----------------------|
| PE - Polyethylene   | .019                 |

**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 (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .028                      |

**Overall Cabling**

Overall Nominal Diameter: 0.222 in.

**Pair****Pair Color Code Chart:**

| Number | Color         |
|--------|---------------|
| 1      | Black & Clear |

**Pair Lay Length & Direction:**

| Lay Length (in.) | Twists/ft. (twist/ft) |
|------------------|-----------------------|
| 2.500            | 4.800                 |

**Mechanical Characteristics (Overall)**

|                                        |                          |
|----------------------------------------|--------------------------|
| Operating Temperature Range:           | -20°C To +60°C           |
| UL Temperature Rating:                 | 60°C (UL AWM Style 2092) |
| Bulk Cable Weight:                     | 23 lbs/1000 ft.          |
| Max. Recommended Pulling Tension:      | 62 lbs.                  |
| Min. Bend Radius (Install)/Minor Axis: | 2.250 in.                |

## 8760 Multi-Conductor - Shielded Twisted Pair Cable

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

|                                       |                            |
|---------------------------------------|----------------------------|
| NEC/(UL) Specification:               | CM                         |
| CEC/C(UL) Specification:              | CM                         |
| AWM Specification:                    | UL Style 2092 (300 V 60°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): | 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 |
|----------------|-------------------|

## Plenum/Non-Plenum

|                |                       |
|----------------|-----------------------|
| Plenum (Y/N):  | No                    |
| Plenum Number: | 88760, 87760 or 82760 |

## Electrical Characteristics (Overall)

## Nom. Characteristic Impedance:

Impedance (Ohm)

57

## Nom. Inductance:

Inductance (μH/ft)

.18

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

29.8

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

Capacitance (pF/ft)

44

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.5

## Max. Operating Voltage - UL:

Voltage

300 V RMS (UL AWM Style 2092)

## Max. Recommended Current:

Current

5.2 Amps per conductor @ 25°C

## Put Ups and Colors:

| Item #        | Putup     | Ship Weight | Color  | Notes | Item Desc         |
|---------------|-----------|-------------|--------|-------|-------------------|
| 8760 060U1000 | 1,000 FT  | 28.000 LB   | CHROME |       | 2 #18 LDPE SH PVC |
| 8760 060U500  | 500 FT    | 14.500 LB   | CHROME |       | 2 #18 LDPE SH PVC |
| 8760 0601000  | 1,000 FT  | 26.000 LB   | CHROME |       | 2 #18 LDPE SH PVC |
| 8760 06010000 | 10,000 FT | 280.000 LB  | CHROME | C Y   | 2 #18 LDPE SH PVC |

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

|              |          |            |        |   |                   |
|--------------|----------|------------|--------|---|-------------------|
| 8760 0602000 | 2,000 FT | 56.000 LB  | CHROME | C | 2 #18 LDPE SH PVC |
| 8760 060250  | 250 FT   | 7.250 LB   | CHROME |   | 2 #18 LDPE SH PVC |
| 8760 060500  | 500 FT   | 14.500 LB  | CHROME | C | 2 #18 LDPE SH PVC |
| 8760 0605000 | 5,000 FT | 150.000 LB | CHROME | C | 2 #18 LDPE SH PVC |
| 8760 0609999 | 1,000 FT | 26.000 LB  | CHROME |   | 2 #18 LDPE SH PVC |

**Notes:**

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'.

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