

## 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 (in.) |
|---------------------|----------------------|
| PO - Polyolefin     | 0.018                |

**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 | 0.028                     |

**Overall Cable**

Overall Nominal Diameter: 0.222 in.

**Pair**

Pair Color Code Chart:

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

**Mechanical Characteristics (Overall)**

|                                   |                 |
|-----------------------------------|-----------------|
| Operating Temperature Range:      | -20°C To +60°C  |
| Bulk Cable Weight:                | 25 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 54 lbs.         |
| Min. Bend Radius/Minor Axis:      | 2.250 in.       |

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

|                                       |                            |
|---------------------------------------|----------------------------|
| NEC/(UL) Specification:               | CM                         |
| CEC/C(UL) Specification:              | CM                         |
| 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                        |

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|                                   |     |
|-----------------------------------|-----|
| 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 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/ft)

.18

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

27.200

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.5

## 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 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:

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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