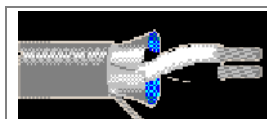


**8760 Multi-Conductor - Shielded Twisted Pair Cable**



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 |
|---------|-----|-----------|--------------------|
| 1.000   | 18  | 16x30     | TC - Tinned Copper |

**Insulation:**

Insulation Material

| Ins Material      | Wall Thickness (in.) |
|-------------------|----------------------|
| PE - Polyethylene | 0.019                |

**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 | 0.028                     |

**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:                     | 26.600 lbs/1000 ft.      |
| Max. Recommended Pulling Tension:      | 62 lbs.                  |
| Min. Bend Radius (Install)/Minor Axis: | 2.250 in.                |

**Applicable Specifications and Agency Compliance (Overall):**

**Applicable Standards:**

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

|                                      |                            |
|--------------------------------------|----------------------------|
| NEC/(UL) Specification               | CM                         |
| CEC/C(UL) Specification              | CM                         |
| AWM Specification                    | UL Style 2092 (300 V 60°C) |
| EU CE Mark (Y/N)                     | Yes                        |
| EU RoHS Compliant (Y/N)              | Yes                        |
| EU RoHS Compliance Date (mm/dd/yyyy) | 01/01/2004                 |
| <b>Flame Test:</b>                   |                            |
| UL Flame Test                        | UL1685 UL Loading          |
| <b>Plenum/Non-Plenum:</b>            |                            |
| Plenum (Y/N)                         | N                          |
| Plenum Number                        | 88760, 87760 or 82760      |

**Electrical Characteristics (Overall):**

Nom. Characteristic Impedance

|                        |
|------------------------|
| <b>Impedance (Ohm)</b> |
| 57.000                 |

Nom. Inductance

|                           |
|---------------------------|
| <b>Inductance (µH/ft)</b> |
| 0.180                     |

Nom. Capacitance Conductor to Conductor

|                            |
|----------------------------|
| <b>Capacitance (pF/ft)</b> |
| 29.800                     |

Nom. Capacitance Cond. to Other Conductor & Shield

|                            |
|----------------------------|
| <b>Capacitance (pF/ft)</b> |
| 44.000                     |

Nom. Conductor DC Resistance

|                                 |
|---------------------------------|
| <b>DCR @ 20°C (Ohm/1000 ft)</b> |
| 6.500                           |

Max. Operating Voltage - UL

|                               |
|-------------------------------|
| <b>Voltage</b>                |
| 300 V RMS (UL AWM Style 2092) |

Max. Recommended Current

|                               |
|-------------------------------|
| <b>Current</b>                |
| 5.2 Amps per conductor @ 25°C |

**PUT UPS AND COLORS:**

| Item #        | Putup     | Ship Weight | Color  | Notes | Item Desc             |
|---------------|-----------|-------------|--------|-------|-----------------------|
| 8760 0601000  | 1,000 FT  | 26.000 LB   | CHROME | C     | 2 #18 LDPE SH PVC CHR |
| 8760 06010000 | 10,000 FT | 280.000 LB  | CHROME | C Y   | 2 #18 LDPE SH PVC CHR |
| 8760 0602000  | 2,000 FT  | 56.000 LB   | CHROME | C     | 2 #18 LDPE SH PVC CHR |
| 8760 060250   | 250 FT    | 7.250 LB    | CHROME |       | 2 #18 LDPE SH PVC CHR |
| 8760 060500   | 500 FT    | 14.500 LB   | CHROME | C     | 2 #18 LDPE SH PVC CHR |
| 8760 0605000  | 5,000 FT  | 150.000 LB  | CHROME | C     | 2 #18 LDPE SH PVC CHR |
| 8760 060U1000 | 1,000 FT  | 28.000 LB   | CHROME |       | 2 #18 LDPE SH PVC CHR |
| 8760 060U500  | 500 FT    | 14.500 LB   | CHROME |       | 2 #18 LDPE SH PVC CHR |

**Notes:**

**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'.

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