

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 |
| 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/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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