

8760 Multi-Conductor - Shielded Twisted Pair Cable

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More information

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**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) |
|---------------------|---------------------|
| PO - Polyolefin | 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 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: UL 1685 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 | 305 MT | 12.247 KG | CHROME | | 2 #18 LDPE SH PVC |
| 8760 060U500 | 152 MT | 6.350 KG | CHROME | | 2 #18 LDPE SH PVC |
| 8760 0601000 | 305 MT | 12.247 KG | CHROME | | 2 #18 LDPE SH PVC |
| 8760 06010000 | 3,048 MT | 122.471 KG | CHROME | C Y | 2 #18 LDPE SH PVC |
| 8760 0602000 | 610 MT | 24.494 KG | CHROME | C | 2 #18 LDPE SH PVC |
| 8760 060250 | 76 MT | 3.175 KG | CHROME | | 2 #18 LDPE SH PVC |
| 8760 060500 | 152 MT | 6.350 KG | CHROME | C | 2 #18 LDPE SH PVC |
| 8760 0605000 | 1,524 MT | 65.771 KG | CHROME | C | 2 #18 LDPE SH PVC |
| 8760 0609999 | 305 MT | 12.701 KG | 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'.

Test Reports

a) UL

- i) UL Test Reports are available on-line through the UL Client Document Access web portal.
- ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

b) CSA

- i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
- ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

* other test data may be available if requested at time of order.

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