

8760 Paired - Shielded Twisted Pair Cable

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|---|--|---|
|  |  | <p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> |
|---|--|---|

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:

CONDUCTOR:

| | |
|----------------------------|--------------------|
| Number of Pairs | 1 |
| Total Number of Conductors | 2 |
| AWG | 18 |
| Stranding | 16x30 |
| Conductor Material | TC - Tinned Copper |

INSULATION:

| | |
|--------------------------------|-------------------|
| Insulation Material | PE - Polyethylene |
| Nom. Insulation Wall Thickness | .019 in. |
| Lay Length | 1.5 in. |
| Twists/ft. | 8 |

Pair Color Code Chart :

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

OUTER SHIELD:

| | |
|----------------------------------|--|
| Outer Shield Material Trade Name | Beldfoil® |
| Outer Shield Type | Tape |
| Outer Shield Material | Aluminum Foil-Polyester Tape w/Shorting Fold |
| Outer Shield % Coverage | 100 % |

OUTER SHIELD DRAIN WIRE :

| | |
|--|--------------------|
| Outer Shield Drain Wire AWG | 20 |
| Outer Shield Drain Wire Stranding | 7x28 |
| Outer Shield Drain Wire Conductor Material | TC - Tinned Copper |

OUTER JACKET:

| | |
|-------------------------------------|--------------------------|
| Outer Jacket Material | PVC - Polyvinyl Chloride |
| Outer Jacket Nominal Wall Thickness | .028 in. |

OVERALL NOMINAL DIAMETER:

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| | |
|--------------------------|----------|
| Overall Nominal Diameter | .222 in. |
|--------------------------|----------|

MECHANICAL CHARACTERISTICS:

| | |
|----------------------------------|--------------------------|
| Operating Temperature Range | -20°C To +60°C |
| UL Temperature Rating | 60°C (UL AWM Style 2092) |
| Bulk Cable Weight | 26.6 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 62 lbs. |
| Min. Bend Radius (Install) | 2.25 in. |

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

| | |
|---------------------------------------|----------------------------|
| 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 |

FLAME TEST:

| | |
|---------------|-------------------|
| UL Flame Test | UL1685 UL Loading |
|---------------|-------------------|

PLENUM/NON-PLENUM:

| | |
|---------------|-----------------------|
| Plenum (Y/N) | N |
| Plenum Number | 88760, 87760 or 82760 |

ELECTRICAL CHARACTERISTICS:

| | |
|---|-------------------------------|
| Nom. Characteristic Impedance | 57 Ohms |
| Nom. Inductance | .18 µH/ft |
| Nom. Capacitance Conductor to Conductor @ 1 KHz | 29.8 pF/ft |
| Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz | 44 pF/ft |
| Nom. Conductor DC Resistance @ 20 Deg. C | 6.5 Ohms/1000 ft |
| Max. Operating Voltage - UL | 300 V RMS (UL AWM Style 2092) |
| Max. Recommended Current | 5.2 Amps per conductor @ 25°C |

PUT-UPS AND COLORS:

| Item | Description | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|---------------|-------------------|--------------|--------------------|--------------|-------|
| 8760 0601000 | 2 #18 LDPE SH PVC | 1000 | 26 | CHROME | C |
| 8760 06010000 | 2 #18 LDPE SH PVC | 10000 | 260 | CHROME | C Y |
| 8760 0602000 | 2 #18 LDPE SH PVC | 2000 | 50 | CHROME | C |
| 8760 060250 | 2 #18 LDPE SH PVC | 250 | 5.75 | CHROME | |

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|---------------|-------------------|-------|------|--------|---|
| 8760 060500 | 2 #18 LDPE SH PVC | 500 | 13 | CHROME | C |
| 8760 0605000 | 2 #18 LDPE SH PVC | 5000 | 135 | CHROME | C |
| 8760 060U1000 | 2 #18 LDPE SH PVC | U1000 | 25 | CHROME | |
| 8760 060U500 | 2 #18 LDPE SH PVC | U500 | 13.5 | CHROME | |

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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