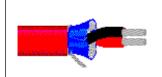


# 88760 Paired - Single-Pair Cable





For more information please call 1-800-Belden1

See Put-ups and Colors

## **Description:**

18 AWG stranded (19x30) TC conductors, plenum, FEP insulation, twisted pair, overall Beldfoil® shield (100% coverage), 20 AWG stranded TC drain wire, FEP jacket.

#### PHYSICAL CHARACTERISTICS:

#### **CONDUCTOR:**

| Number of Pairs            | 1                  |  |
|----------------------------|--------------------|--|
| Total Number of Conductors | 2                  |  |
| AWG                        | 18                 |  |
| Stranding                  | 19x30              |  |
| Conductor Material         | TC - Tinned Copper |  |

## **INSULATION:**

| Insulation Material            | FEP - Fluorinated Ethylene Propylene |
|--------------------------------|--------------------------------------|
| Nom. Insulation Wall Thickness | .007 in.                             |
| Lay Length                     | 2.0 in.                              |
| Twists/ft.                     | 6                                    |
| Pair Color Code Chart:         |                                      |

| Number | Color       |
|--------|-------------|
| 1      | Black & Red |

## **OVERALL CABLING:**

| Overall Cabling Separator Material  | Polyester tape |
|-------------------------------------|----------------|
| Overall Cabling Separator Thickness | 0.001 in.      |

# **OUTER SHIELD:**

| Outer Shield Material Trade Name | Beldfoil® (Z-Fold®)          |
|----------------------------------|------------------------------|
| Outer Shield Type                | Tape                         |
| Outer Shield Material            | Aluminum Foil-Polyester Tape |
| Outer Shield %Coverage           | 100 %                        |
| OUTER SHIELD DRAIN WIRE:         |                              |

| OUTER SHIELD DRAIN WIKE.                   |                    |
|--|--------------------|
| Outer Shield Drain Wire AWG                | 20                 |
| Outer Shield Drain Wire Stranding          | Stranded           |
| Outer Shield Drain Wire Conductor Material | TC - Tinned Copper |

## **OUTER JACKET:**



# 88760 Paired - Single-Pair Cable

| Outer Jacket Material               | FEP - Fluorinated Ethylene Propylene |
|-------------------------------------|--------------------------------------|
| Outer Jacket Nominal Wall Thickness | .014 in.                             |
| OVERALL NOMINAL DIAMETER:           |                                      |
| Overall Nominal Diameter            | .149 in.                             |
| MECHANICAL CHARACTERISTICS:         |                                      |
| Operating Temperature Range         | -70°C To +200°C                      |
| Bulk Cable Weight                   | 23.5 lbs/1000 ft.                    |
| Max. Recommended Pulling Tension    | 64 lbs.                              |

1.6 in.

## APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### **APPLICABLE STANDARDS:**

Min. Bend Radius (Install)

| NEC/(UL) Specification                | CMP        |
|---------------------------------------|------------|
| CEC/C(UL) Specification               | CMP        |
| EU CE Mark (Y/N)                      | Yes        |
| EU RoHS Compliant (Y/N)               | Yes        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005 |

#### FLAME TEST:

| UL Flame Test    | NFPA 262 |
|------------------|----------|
| C(UL) Flame Test | FT6      |

#### **SUITABILITY:**

| Suitability - Indoor  | Yes |  |
|-----------------------|-----|--|
| Suitability - Outdoor | Yes |  |
| Suitability - Burial  | Yes |  |
| Oil Resistance        | Yes |  |

# PLENUM/NON-PLENUM:

| Plenum (Y/N)      | Y    |
|-------------------|------|
| Non-Plenum Number | 8760 |

# **ELECTRICAL CHARACTERISTICS:**

| Nom. Characteristic Impedance                   | 29 Ohms          |
|---|------------------|
| Nom. Inductance                                 | .15 µH/ft        |
| Nom. Capacitance Conductor to Conductor @ 1 KHz | 51 pF/ft         |
| Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz | 97 pF/ft         |
| Nominal Velocity of Propagation                 | 69 %             |
| Nominal Delay                                   | 1.47 ns/ft       |
| Nom. Conductor DC Resistance @ 20 Deg. C        | 5.5 Ohms/1000 ft |
| Nominal Outer Shield DC Resistance @ 20 Deg. C  | 7.3 Ohms/1000 ft |

# Detailed Specifications & Technical Data



# 88760 Paired - Single-Pair Cable

Max. Operating Voltage - UL 300 V RMS

Max. Recommended Current 5.4 Amps per conductor @ 25°C

NOTES:

Notes For use in indoor plenum environments but also suitable for outdoor and underground applications.

#### **PUT-UPS AND COLORS:**

| Item           | Description      | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|----------------|------------------|--------------|--------------------|--------------|-------|
| 88760 002100   | 2#18 FEP SH FEP  | 100          | 3.7                | RED          |       |
| 88760 0021000  | 2#18 FEP SH FEP  | 1000         | 22                 | RED          | С     |
| 88760 002500   | 2#18 FEP SH FEP  | 500          | 11                 | RED          | С     |
| 88760 002U1000 | 2 #18 FEP SH FEP | U1000        | 24                 | RED          |       |
| 88760 002U500  | 2 #18 FEP SH FEP | U500         | 12.5               | RED          |       |

#### C = CRATE REEL PUT-UP.

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