

## 88761 Multi-Conductor - Single-Pair Cable

For more Information  
please call

1-800-Belden1

**Description:**

22 AWG stranded (7x30) TC conductors, plenum, FEP insulation, twisted pair, polyester separator tape, overall Beldfoil® shield (100% coverage), 22 AWG stranded TC drain wire, FEP jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1       | 22  | 7x30      | TC - Tinned Copper |

**Insulation****Insulation Material:**

| Insulation Material                  | Wall Thickness (mm) |
|--------------------------------------|---------------------|
| FEP - Fluorinated Ethylene Propylene | 0.1524              |

**Outer Shield****Outer Shield Material:**

| Outer Shield Trade Name | Type | Outer Shield Material        | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil®               | Tape | Aluminum Foil-Polyester Tape | 100          |

**Outer Shield Drain Wire AWG:**

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 22  | Stranded  | TC - Tinned Copper            |

**Outer Jacket****Outer Jacket Material:**

| Outer Jacket Material                | Nom. Wall Thickness (mm) |
|--------------------------------------|--------------------------|
| FEP - Fluorinated Ethylene Propylene | 0.406                    |

**Overall Cabling**

**Overall Cabling Separator Material:** Polyester Tape

**Overall Cabling Separator Thickness:** 0.025 mm

**Overall Nominal Diameter:** 3.124 mm

**Pair****Pair Color Code Chart:**

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

**Mechanical Characteristics (Overall)**

**Operating Temperature Range:** -70°C To +200°C

**Bulk Cable Weight:** 18.603 Kg/Km

**Max. Recommended Pulling Tension:** 120.101 N

**Min. Bend Radius (Install)/Minor Axis:** 31.750 mm

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

**NEC/(UL) Specification:** CMP

## 88761 Multi-Conductor - Single-Pair Cable

|                                       |            |
|---------------------------------------|------------|
| CEC/C(UL) Specification:              | CMP        |
| 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): | 04/01/2005 |
| 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:    | NFPA 262 |
| C(UL) Flame Test: | FT6      |

## Plenum/Non-Plenum

|                    |      |
|--------------------|------|
| Plenum (Y/N):      | Yes  |
| Non-Plenum Number: | 8761 |

## Electrical Characteristics (Overall)

## Nom. Characteristic Impedance:

|                 |
|-----------------|
| Impedance (Ohm) |
| 42              |

## Nom. Inductance:

|                   |
|-------------------|
| Inductance (μH/m) |
| 0.52496           |

## Nom. Capacitance Conductor to Conductor:

|                    |
|--------------------|
| Capacitance (pF/m) |
| 114.835            |

## Nom. Capacitance Cond. to Other Conductor &amp; Shield:

|                    |
|--------------------|
| Capacitance (pF/m) |
| 219.827            |

## Nom. Conductor DC Resistance:

|                     |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 49.215              |

## Nominal Outer Shield DC Resistance:

|                     |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 39.372              |

## Max. Operating Voltage - UL:

|           |
|-----------|
| Voltage   |
| 300 V RMS |

## Max. Recommended Current:

|                               |
|-------------------------------|
| Current                       |
| 2.8 Amps per conductor @ 25°C |

## Notes (Overall)

**Notes:** For use in indoor plenum environments but also suitable for outdoor and underground applications. Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

## METRIC MEASUREMENT VERSION

## 88761 Multi-Conductor - Single-Pair Cable

| Item #         | Putup  | Ship Weight | Color | Notes | Item Desc        |
|----------------|--------|-------------|-------|-------|------------------|
| 88761 002U1000 | 305 MT | 6.804 KG    | RED   |       | 2 #22 FEP FS FEP |
| 88761 002100   | 30 MT  | 1.270 KG    | RED   | C     | 2#22 FEP FS FEP  |
| 88761 0021000  | 305 MT | 5.897 KG    | RED   | C     | 2#22 FEP FS FEP  |
| 88761 002500   | 152 MT | 3.629 KG    | RED   | C     | 2#22 FEP FS FEP  |

**Notes:**

C = CRATE REEL PUT-UP.

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#### Как с нами связаться

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