



**Product:** [8763](#) 

Audio, Control and Instrumentation, 1 Pair 20 AWG, Shielded; 1 Conductor 20 AWG Unshielded



REPRESENTATIVE IMAGE

## Product Description

1 Pair 20 AWG, 1 Conductor 20 AWG, stranded (7x28) TC, polyethylene insulation, conductors cabled, Beldfoil® shield as noted (100% coverage), 20 AWG stranded TC drain wire, PVC jacket.

## Technical Specifications

### Product Overview

|                        |                                                                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable Applications: | low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; computer communication; panel wiring |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|

### Construction Details

#### Conductor

| Element      | No. of Elements | Size   | Stranding | Material           |
|--------------|-----------------|--------|-----------|--------------------|
| Pair(s)      | 1               | 20 AWG | 7x28      | TC - Tinned Copper |
| Conductor(s) | 1               | 20 AWG | 7x28      | TC - Tinned Copper |

#### Insulation

| Element      | Material          | Nom. Thickness     | Nom. Insulation Diameter | Color Code            |
|--------------|-------------------|--------------------|--------------------------|-----------------------|
| Pair(s)      | PE - Polyethylene | 0.014 in (0.36 mm) | 0.066 in (1.7 mm)        | Shielded: Black & Red |
| Conductor(s) | PE - Polyethylene | 0.014 in (0.36 mm) | 0.066 in (1.7 mm)        | Unshielded: Clear     |

#### Inner Shield

| Element      | Shield Type | Material                | Coverage | Drainwire Type   |
|--------------|-------------|-------------------------|----------|------------------|
| Pair(s)      | Tape        | Bi-Laminate (Alum+Poly) | 100%     | 20 AWG (7x28) TC |
| Conductor(s) | No Shield   |                         |          |                  |

#### Outer Shield

| Material  |
|-----------|
| No Shield |

#### Outer Jacket

| Material                 | Nom. Thickness       | Nom. Diameter |
|--------------------------|----------------------|---------------|
| PVC - Polyvinyl Chloride | 0.0275 in (0.699 mm) | 0.21 in       |

|                                   |          |
|-----------------------------------|----------|
| Overall Cable Diameter (Nominal): | 0.21 in. |
|-----------------------------------|----------|

### Electrical Characteristics

#### Electricals

| Element      | Nom. Conductor DCR         | Nom. Inner Shield DCR         | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedence | Max. Current                   |
|--------------|----------------------------|-------------------------------|-------------------------------|-------------------------------------------------|-------------------------------|--------------------------------|
| Pair(s)      | 9.1 Ohm/1000ft             |                               | 26 pF/ft (85 pF/m)            | 48 pF/ft (160 pF/m)                             | 62 Ohm                        | 3.9 Amps per Conductor at 25°C |
| Conductor(s) | 9.1 Ohm/1000ft (30 Ohm/km) | 7.52 Ohm/1000ft (24.7 Ohm/km) |                               |                                                 |                               | 3.9 Amps per Conductor at 25°C |

#### Voltage

| Voltage Rating |
|----------------|
| 350 V          |

Mechanical Characteristics

Temperature

| Operating      |
|----------------|
| -30°C To +90°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 2.1 in (53 mm)  | 2.1 in            |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 50 lbs (23 kg) |
| Bulk Cable Weight: | 25 lbs/1000ft  |

Standards and Compliance

|                                |                                                                                                                           |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:     | Sunlight Resistance                                                                                                       |
| CPR Compliance:                | CPR Euroclass: Eca                                                                                                        |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance:      | UKCA Mark                                                                                                                 |
| APAC Compliance:               | China RoHS II (GB/T 26572-2011)                                                                                           |

Product Notes

|        |                                                                                 |
|--------|---------------------------------------------------------------------------------|
| Notes: | Beldfoil shield is over Red and Black pair only. Clear conductor is unshielded. |
|--------|---------------------------------------------------------------------------------|

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.361 Revision Date: 05-31-2024 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #       | Color  | Putup Type | Length   | UPC          | Footnote |
|--------------|--------|------------|----------|--------------|----------|
| 8763 0601000 | Chrome | Reel       | 1,000 ft | 612825216193 | C        |

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