

Product: <u>8763</u> ☑



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

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

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors | No. of Pairs |
|-------|--------------|--------------------|-------------------|--------------|
| 20 | 7x28 | TC - Tinned Copper | | 1 |
| | | | 1 | |
| Condu | ictor Count: | | 3 | |

Insulation

| Material | Nominal Diameter |
|-------------------|------------------|
| PE - Polyethylene | 0.066 in |

Color Chart

| Number | Color |
|--------|-----------------------|
| 1 | Shielded: Black & Red |
| 2 | Unshielded: Clear |

Inner Shield Material

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|-------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Alum / Poly | Beldfoil® (Z-Fold®) | 100% | TC - Tinned Copper | 20 | Stranded |

Outer Shield Material



Outer Jacket Material

| Material | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.21 in |

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR 9.1 Ohm/1000ft

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 26 pF/ft | 48 pF/ft |

Impedance

Nominal Characteristic Impedance
62 Ohm

Current

Max. Recommended Current [A]
3.9 Amps per Conductor at 25°C

Voltage

Non-UL Voltage Rating
300

Temperature Range

| Non-UL Temp Rating: | 80°C |
|-----------------------|----------------|
| Operating Temp Range: | -20°C To +80°C |

Mechanical Characteristics

| Bulk Cable Weight: | 25 lbs/1000ft |
|-----------------------------|---------------|
| Max. Pull Tension: | 42 lbs |
| Min Bend Radius/Minor Axis: | 2.25 in |

Applicable Environmental and Other Programs

| Environmental Space: | Indoor (Not Riser or Plenum) |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/EC (BFR): | Yes |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2015/863/EU: | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-01-01 |
| MII Order #39 (China RoHS): | Yes |

Suitability

| Suitability - Indoor: |
|-----------------------|
|-----------------------|

Plenum/Non-Plenum

| Plenum (Y/N): | No | |
|---------------|----|--|

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC |
|--------------|--------|------------|----------|---------------|
| 8763 0601000 | Chrome | Reel | 1,000 ft | 612825216193 |
| Footnote: | | | C - 0 | CRATE REEL PU |

Product Notes

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

History

| Update and Revision: | Revision Number: 0.272 Revision Date: 06-08-2020 | |
|----------------------|--|--|

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