



Part Number: 88761

Single-Pair, (1 pr) 22 AWG (7x30) TC, FEP/FEP, Foil Shld, CMP

[🛒 Request Sample](#)

Product Description

One 22 AWG pair stranded (7x30) tinned copper conductors, twisted pair, FEP insulation, overall Beldfoil® shield (100% coverage), FEP jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Pairs |
|-----|-----------|--------------------|--------------|
| 22 | 7x30 | TC - Tinned Copper | 1 |

| | |
|------------------------|--------|
| Conductor Count: | 2 |
| Total Number of Pairs: | 1 |
| Conductor Size: | 22 AWG |

Insulation

| Material | Nominal Wall Thickness |
|--------------------------------------|------------------------|
| FEP - Fluorinated Ethylene Propylene | 0.0065 in |

Color Chart

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

Outer Shield Material

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|--------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum/Polyester | Beldfoil® | 100 % | TC - Tinned Copper | 22 | Stranded mm |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------------------|------------------|------------------------|
| FEP - Fluorinated Ethylene Propylene | 0.116 in | 0.014 in |

Construction and Dimensions

Cabling

| Lay Direction | Twists |
|---------------|------------|
| Left Hand | 8 twist/ft |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 15 Ohm/1000ft | 12 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 35 pF/ft | 67 pF/ft |

| | |
|------------|---------------------------|
| Shielding: | Foil(s) or Copper Tape(s) |
|------------|---------------------------|

Inductance

| Nominal Inductance |
|--------------------|
|--------------------|

0.16 µH/ft

Impedance

Nominal Characteristic Impedance

42 Ohm

Current

| Element | Max. Recommended Current [A] |
|----------------------|---------------------------------------|
| 10C temperature rise | 2.8 Amps per conductor @ 25°C ambient |

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

| | |
|-----------------------|-----------------|
| Operating Temp Range: | -70°C To +200°C |
|-----------------------|-----------------|

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| Bulk Cable Weight: | 13 lbs/1000ft |
| Max Recommended Pulling Tension: | 27 lbs |
| Min Bend Radius/Minor Axis: | 1.25 in |

Standards

| | |
|--------------------------|-----|
| NEC Articles: | 800 |
| NEC/(UL) Specification: | CMP |
| CEC/C(UL) Specification: | CMP |
| CPR Euroclass: | Eca |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| 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): | 2005-04-01 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Suitability

| | |
|------------------------|-----|
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes |

Flammability, LSOH, Toxicity Testing

| | |
|--------------------|-----------|
| UL Flammability: | NFPA 262 |
| CSA Flammability: | FT6 |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

| | |
|---------------|-----|
| Plenum (Y/N): | Yes |
|---------------|-----|

Part Number

| | |
|--------------------|------|
| Non-Plenum Number: | 8761 |
|--------------------|------|

Variants

| Item # | Color | Footnote |
|---------------|-------|----------|
| 88761 002100 | Red | C |
| 88761 0021000 | Red | C |
| 88761 002500 | Red | C |
| 88761 0025000 | Red | |

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