

Part Number: 8771

Audio/Control/Instrumentation, (3) 22 AWG (7x30) TC,
PE/PVC, Foil Shld, CM

Product Description

Three 22 AWG stranded (7x30) tinned copper conductors, conductors cabled, polyethylene insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

| AWG | Stranding | Material | No. of Conductors |
|------------------------------------|-----------|--------------------|-------------------|
| 22 | 7x30 | TC - Tinned Copper | 3 |
| Total Number of Conductors: | | | 3 |

Insulation:

| Material | Nominal Wall Thickness |
|-------------------|------------------------|
| PE - Polyethylene | 0.016 in |

Color Chart 1:

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | Red |
| 3 | Clear |

Cabling 1:

| Lay Length | Lay Direction | Twists |
|------------|---------------|------------|
| 2 in | Left Hand | 6 twist/ft |

Outershield 1:

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|--|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum Foil-Polyester Tape w/Shorting Fold | Beldfoil® | 100 % | TC - Tinned Copper | 22 | 7x30 mm |

Outerjacket 1:

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.199 in | 0.033 in |

Electrical Characteristics

Conductor DCR:

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 15 Ohm/1000ft | 11.7 Ohm/1000ft |

Capacitance:

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 23 pF/ft | 41 pF/ft |

Current:

| Element | Max. Recommended Current [A] |
|----------------------|---------------------------------------|
| 10C Temperature Rise | 2.9 Amps per conductor @ 25°C ambient |

Voltage:

| UL Voltage Rating |
|-------------------|
| 300 V RMS |

Use

| | |
|----------------------------------|--------|
| Suitability - Indoor: | Yes |
| Max Recommended Pulling Tension: | 36 lbs |

Safety

| | |
|-------------------|-------------------|
| CSA Flammability: | FT1 |
| UL Flammability: | UL1685 UL Loading |

Temperature Range

| | |
|-----------------------|--------------------------|
| Operating Temp Range: | -20°C To +60°C |
| UL Temp Rating: | 60°C (UL AWM Style 2093) |

Mechanical Characteristics

| | |
|-----------------------------|------|
| Min Bend Radius/Minor Axis: | 2 in |
|-----------------------------|------|

Part Number

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

Standards

| | |
|-----------------------------------|----------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | CA Prop 65 (CJ for Wire & Cable) |
| CEC/C(UL) Specification: | CEC/C(UL) Specification |
| MII Order #39 (China RoHS): | MII Order #39 (China RoHS) |
| NEC Articles: | NEC Articles |
| NEC/(UL) Specification: | NEC/(UL) Specification |
| UL AWM Style: | AWM Specification |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | EU CE Mark |

History

Product Variants

| Part Number | Color | Put-Up Type | Length |
|---------------|--------|-------------|----------|
| 8771 06010000 | CHROME | Reel | 10000 ft |
| 8771 0601000 | CHROME | Reel | 1000 ft |
| 8771 060250 | CHROME | Reel | 250 ft |
| 8771 060500 | CHROME | Reel | 500 ft |
| 8771 060U1000 | CHROME | UnReel | 1000 ft |
| 8771 060U500 | CHROME | UnReel | 500 ft |
| 8771.00U152 | CHROME | UnReel | 152 ft |
| 8771.00U305 | CHROME | UnReel | 305 ft |
| 8771.01152 | CHROME | Reel | 152 ft |
| 8771.01305 | CHROME | Reel | 305 ft |

© 2016 Belden, Inc

All Rights Reserved

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

