



Product: [5501FH](#)

Security & Sound, 3 Conductor 22 AWG TC, Shielded, Riser

Product Description

Security & Commercial Audio Cable, 3 Conductor 22 AWG stranded (7x30) tinned copper conductors with polyolefin insulation, Beldfoil® shield, Riser, PVC jacket with ripcord.

Technical Specifications

Product Overview

|                        |                                          |
|------------------------|------------------------------------------|
| Suitable Applications: | Intercom/PA Systems, Sound/Audio Systems |
|------------------------|------------------------------------------|

Construction Details

Conductor

| Element  | No. of Elements | Size   | Stranding | Material           |
|----------|-----------------|--------|-----------|--------------------|
| Triad(s) | 1               | 22 AWG | 7x30      | TC - Tinned Copper |

Insulation

| Element  | Material           | Nom. Thickness     | Nom. Insulation Diameter | Color Code          |
|----------|--------------------|--------------------|--------------------------|---------------------|
| Triad(s) | PP - Polypropylene | 0.008 in (0.20 mm) | 0.046 in (1.2 mm)        | Black & Red & White |

Outer Shield

| Shield Type | Material                | Coverage | Drainwire Type    |
|-------------|-------------------------|----------|-------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 24 AWG (Solid) TC |

Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter | Ripcord |
|--------------------------|--------------------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.133 in      | Yes     |

|                                   |          |
|-----------------------------------|----------|
| Overall Cable Diameter (Nominal): | 0.133 in |
|-----------------------------------|----------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                   |
|--------------------|-------------------------------|-------------------------------------------------|--------------------------------|
| 16.4 Ohm/1000ft    | 34.5 pF/ft (113 pF/m)         | 62 pF/ft (200 pF/m)                             | 2.8 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature | Operating      |
|----------------|----------------|
| 75°C           | -20°C To +75°C |

Bend Radius

| Stationary Min.   | Installation Min. |
|-------------------|-------------------|
| 1.33 in (33.8 mm) | 1.33 in           |

|                    |                    |
|--------------------|--------------------|
| Max. Pull Tension: | 32.8 lbs (14.9 kg) |
| Bulk Cable Weight: | 12 lbs/1000ft      |

Standards and Compliance

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor - Riser, Indoor                                                                                                    |
| Flammability / Reaction to Fire: | UL1666 Riser, FT4                                                                                                         |
| NEC / UL Compliance:             | Article 800, CMR                                                                                                          |
| CEC / C(UL) Compliance:          | CMG                                                                                                                       |
| 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) |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)                                                                                           |
| Plenum Number:                   | 6501FH                                                                                                                    |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.195 Revision Date: 12-20-2022 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #          | Color | Putup Type | Length   | UPC          |
|-----------------|-------|------------|----------|--------------|
| 5501FH 0081000  | Gray  | Reel       | 1,000 ft | 612825163190 |
| 5501FH 008U1000 | Gray  | UnReel     | 1,000 ft | 612825163251 |

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