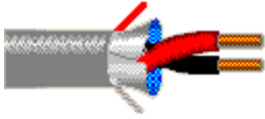




Product: [5520FE](#)



Security & Sound, 2 Conductor 22 AWG BC, Shielded, Riser

Product Description

Security & Commercial Audio Cable, 2 Conductor 22 AWG solid bare 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 |
|--------------|-----------------|--------|-----------|------------------|
| Conductor(s) | 2 | 22 AWG | Solid | BC - Bare Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|--------------------|--------------------|--------------------------|------------|
| Conductor(s) | PP - Polypropylene | 0.007 in (0.18 mm) | 0.040 in (1.0 mm) | Black, Red |

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) | 0.118 in | Yes |

| | |
|-----------------------------------|----------|
| Overall Cable Diameter (Nominal): | 0.118 in |
|-----------------------------------|----------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|--------------------|-------------------------------|---|--------------------------------|
| 18.4 Ohm/1000ft | 34 pF/ft (110 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. |
|-------------------|-------------------|
| 1.18 in (30.0 mm) | 1.18 in |

| | |
|--------------------|--------------------|
| Max. Pull Tension: | 20.7 lbs (9.39 kg) |
| Bulk Cable Weight: | 9 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 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Plenum Number: | 6520FE |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.376 Revision Date: 05-31-2024 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC |
|-----------------|-------|--------------|----------|--------------|
| 5520FE 0081000 | Gray | Reel | 1,000 ft | 612825164005 |
| 5520FE 008C1000 | Gray | Coil | 1,000 ft | 612825164012 |
| 5520FE 008U1000 | Gray | UnReel | 1,000 ft | 612825426103 |
| 5520FE 008Z1000 | Gray | ReelTuff Box | 1,000 ft | 612825164074 |

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