



**Product:** [5300FH](#)

Security & Sound, 2 Conductor 18 AWG, TC, Shielded, Riser

### Product Description

Security & Commercial Audio Cable, 2 Conductor 18 AWG stranded (7x26) 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           |
|--------------|-----------------|--------|-----------|--------------------|
| Conductor(s) | 2               | 18 AWG | 7x26      | TC - Tinned Copper |

##### Insulation

| Element      | Material           | Nom. Thickness     | Nom. Insulation Diameter | Color Code |
|--------------|--------------------|--------------------|--------------------------|------------|
| Conductor(s) | PP - Polypropylene | 0.008 in (0.20 mm) | 0.062 in (1.6 mm)        | Black, Red |

##### Outer Shield

| Shield Type | Material                | Coverage | Drainwire Type   |
|-------------|-------------------------|----------|------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 24 AWG (7x32) TC |

##### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter |
|--------------------------|--------------------|---------------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.162 in      |

|                                   |          |
|-----------------------------------|----------|
| Overall Cable Diameter (Nominal): | 0.162 in |
|-----------------------------------|----------|

#### Electrical Characteristics

##### Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                 |
|--------------------|-------------------------------|---|------------------------------|
| 6.5 Ohm/1000ft     | 53 pF/ft (170 pF/m)           | 95.5 pF/ft (313 pF/m)                           | 5 Amps per Conductor at 25°C |

##### Voltage

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

#### Mechanical Characteristics

##### Temperature

| UL Temperature | Operating    |
|----------------|--------------|
| 75°C           | 0°C To +75°C |

##### Bend Radius

| Stationary Min.   | Installation Min. |
|-------------------|-------------------|
| 1.62 in (41.1 mm) | 1.62 in           |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 50 lbs (23 kg) |
| Bulk Cable Weight: | 18 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:                   | 6300FH  |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.167 Revision Date: 12-20-2022 |
|----------------------|--|

## Part Numbers

### Variants

| Item #          | Color | Putup Type | Length   | UPC          |
|-----------------|-------|------------|----------|--------------|
| 5300FH 0101000  | Black | Reel       | 1,000 ft | 612825159100 |
| 5300FH 008500   | Gray  | Reel       | 500 ft   | 612825159001 |
| 5300FH 008U500  | Gray  | UnReel     | 500 ft   | 612825159049 |
| 5300FH 0081000  | Gray  | Reel       | 1,000 ft | 612825159032 |
| 5300FH 008U1000 | Gray  | UnReel     | 1,000 ft | 612825159018 |

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