### General Description:

Security & Commercial Audio Cable, Riser-CMR, 3-20 AWG stranded bare copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

### Usage (Overall)

**Suitable Applications:** Intercom/PA Systems, Sound/Audio Systems

### Physical Characteristics (Overall)

#### Conductor

**AWG:**

- # Conductors: 3
- AWG: 20
- Stranding: 7x28
- Conductor Material: BC - Bare Copper

**Insulation**

- Insulation Material: PP - Polypropylene
- Wall Thickness (in.): 0.008

**Outer Shield**

- Shield Trade Name: Beldfoil®
- Type: Tape
- Outer Shield Material: Aluminum Foil-Polyester Tape w/Shorting Fold
- Coverage (%): 100

**Outer Shield Drain Wire AWG:**

- AWG: 24
- Stranding: Solid
- Conductor Material: TC - Tinned Copper

#### Outer Jacket

**Outer Jacket Material:**

- Material: PVC - Polyvinyl Chloride
- Nom. Wall Thickness (in.): 0.017

**Outer Jacket Ripcord:** Yes

#### Overall Cable

**Overall Cabling Lay Length & Direction:**

- Length (in.): 2.500
- Direction: Left Hand
- Twists (twist/ft): 4.800

**Overall Nominal Diameter:** 0.149 in.

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** -20°C To +75°C

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 17 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 46.900 lbs.

**Min. Bend Radius/Minor Axis:** 1.500 in.

### Applicable Specifications and Agency Compliance (Overall)

**NEC/(UL) Specification:** CMR

**NEC Articles:** 800
CEC/C(UL) Specification: CMG
EU Directive 2011/65/EU (ROHS II): Yes
EU CE Mark: Yes
EU Directive 2002/95/EC (RoHS): Yes
EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005
EU Directive 2002/96/EC (WEEE): Yes
CA Prop 65 (CJ for Wire & Cable): Yes
MII Order #39 (China RoHS): Yes

Flame Test
UL Flame Test: UL1666 Vertical Shaft
C(UL) Flame Test: FT4

Suitability
Suitability - Indoor: Yes
Plenum/Non-Plenum
Plenum (Y/N): No
Plenum Number: 6401FE

Surface Printing (Overall)
Electrical Characteristics (Overall)
Nom. Inductance:
Inductance (µH/ft)
.17
Nom. Capacitance Conductor to Conductor:
Capacitance (pF/ft)
50.000
Nom. Capacitance Cond. to Other Conductor & Shield:
Capacitance (pF/ft)
90.000
Nom. Conductor DC Resistance:
DCR @ 20°C (Ohm/1000 ft)
10.2
Nominal Outer Shield DC Resistance:
DCR @ 20°C (Ohm/1000 ft)
16.100
Max. Operating Voltage - UL:
Voltage
300 V RMS
Max. Recommended Current:
Current
3.75 Amps per conductor @ 25°C (10°C rise in temp)

Put Ups and Colors:
Item # | Putup | Ship Weight | Color | Notes | Item Desc
--- | --- | --- | --- | --- | ---
5401FE 008U1000 | 1,000 FT | 19.000 LB | GRAY | C | 3 #20 PP FS FRPVC
5401FE 008U500 | 500 FT | 9.500 LB | GRAY | C | 3 #20 PP FS FRPVC
5401FE 0081000 | 1,000 FT | 18.000 LB | GRAY | C | 3 #20 PP FS FRPVC
5401FE 008500 | 500 FT | 9.500 LB | GRAY | C | 3 #20 PP FS FRPVC

Notes:
C = CRATE REEL PUT-UP.
5401FE Multi-Conductor - Commercial Audio Systems

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

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