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1-800-Belden1



### Description:

22 AWG bare copper conductors, PP insulation, conductors cabled, Beldfoil® shield tape (foil side out) with drain wire, PVC jacket with ripcord, sequential footage marking every two feet.

### Usage (Overall)

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

### Physical Characteristics (Overall)

#### Conductor

**AWG:**

# Conductors	AWG	Stranding	Conductor Material
3	22	7x30	BC - Bare Copper

#### Insulation

**Insulation Material:**

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.178

#### Outer Shield

**Outer Shield Material:**

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

**Outer Shield Drain Wire AWG:**

AWG	Stranding	Drain Wire Conductor Material
24	7x32	TC - Tinned Copper

#### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.432

**Outer Jacket Ripcord:** Yes

### Overall Cabling

**Overall Cabling Lay Length & Direction:**

Length (mm)	Twists (m.)
50.800	1.829

**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red
3	White

**Overall Nominal Diameter:** 3.226 mm

### Mechanical Characteristics (Overall)

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

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 20.388 Kg/Km

## 5501FE Multi-Conductor - Commercial Audio Systems

Max. Recommended Pulling Tension:	145.901 N
Min. Bend Radius (Install)/Minor Axis:	31.750 mm

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification:	CMR
NEC Articles:	800
CEC/C(UL) Specification:	CMG
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	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
EU Directive 2003/11/EC (BFR):	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

## Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6501FE

## Surface Printing (Overall)

## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
124.678

## Nom. Capacitance Cond. to Other Conductor &amp; Shield:

Capacitance (pF/m)
224.749

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
53.8084

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
52.8241

## Max. Operating Voltage - UL:

Voltage
300 V RMS

## Max. Recommended Current:

Current
2.8 Amps per conductor @ 25°C

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

## 5501FE Multi-Conductor - Commercial Audio Systems

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5501FE 008U1000	305 MT	6.350 KG	GRAY		3 #22 PP FS FRPVC
5501FE 008U500	152 MT	3.629 KG	GRAY		3 #22 PP FS FRPVC
5501FE 0081000	305 MT	6.804 KG	GRAY	C	3 #22 PP FS FRPVC
5501FE 008500	152 MT	3.175 KG	GRAY		3 #22 PP FS FRPVC

**Notes:**

C = CRATE REEL PUT-UP.

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