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1-800-Belden1



### Description:

20 AWG bare copper conductors, PVC insulation, conductors twisted into pairs, multiple pairs cabled together, overall Beldfoil® shield (foil side out) and drain wire, overall PVC jacket with rip cord. Sequential footage marking every two feet.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
2	20	7x28	BC - Bare Copper

Total Number of Conductors: 4

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.254

#### Outer Shield

##### Outer Shield Material:

Outer Shield Trade Name	Outer Shield Material
Beldfoil®	Aluminum Foil-Polyester Tape

##### Outer Shield Drain Wire AWG:

AWG	Drain Wire Conductor Material
22	TC - Tinned Copper

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.381

#### Overall Cable

Overall Nominal Diameter: 5.969 mm

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White

### Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 40.033 Kg/Km

Max. Recommended Pulling Tension: 264.668 N

Min. Bend Radius/Minor Axis: 59.690 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

## 5441FE Multi-Conductor - Commercial Applications

<b>CEC/C(UL) Specification:</b>	CMG
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	04/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

### Flame Test

<b>UL Flame Test:</b>	UL1666 Vertical Shaft
<b>CSA Flame Test:</b>	FT4

### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
<b>Plenum Number:</b>	6441FE

## Surface Printing (Overall)

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

<b>Capacitance (pF/m)</b>
111.554

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

<b>Capacitance (pF/m)</b>
200.797

#### Nom. Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/km)</b>
33.7943

#### Nominal Outer Shield DC Resistance:

<b>DCR @ 20°C (Ohm/km)</b>
34.4505

#### Max. Operating Voltage - UL:

<b>Voltage</b>
300 V RMS

#### Max. Recommended Current:

<b>Current</b>
3 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5441FE 008U1000	305 MT	11.793 KG	GRAY		2 PR #20 PP FS FRPVC
5441FE 0081000	305 MT	11.793 KG	GRAY	C	2 PR #20 PP FS FRPVC

#### Notes:

C = CRATE REEL PUT-UP.

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## **5441FE Multi-Conductor - Commercial Applications**

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