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1-800-Belden1



**Picture  
Not Available**

## Description:

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

## Physical Characteristics (Overall)

### Conductor

AWG:

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

### Insulation

Insulation Material:

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

### 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
22	7x30	TC	Tinned Copper

### Outer Jacket

Outer Jacket Material:

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

Outer Jacket Ripcord: Yes

### Overall Cabling

Overall Cabling Lay Length & Direction:

Length (mm)
82.549675

Overall Cabling Color Code Chart:

Color
Black
Red
White
Green
Brown
Blue
Orange

Overall Nominal Diameter: 5.105 mm

## Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

## 5405FE Multi-Conductor - Commercial Applications

Bulk Cable Weight:	56.700 Kg/Km
Max. Recommended Pulling Tension:	432.810 N
Min. Bend Radius (Install)/Minor Axis:	50.800 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & 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
CSA Flame Test:	FT4

#### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Surface Printing (Overall)

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/m)
0.55777

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
111.554

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

Capacitance (pF/m)
200.797

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
33.4662

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
34.4505

#### Max. Operating Voltage - UL:

Voltage
300 V RMS

#### Max. Recommended Current:

Current
2.6 Amps per conductor @ 25°C (10°C rise in temp)

### Put Ups and Colors:

## 5405FE Multi-Conductor - Commercial Applications

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5405FE 008U1000	305 MT	19.051 KG	GRAY		7 #20 PVC FS FRPVC
5405FE 0081000	305 MT	19.051 KG	GRAY	C	7 #20 PVC FS FRPVC

**Notes:**

C = CRATE REEL PUT-UP.

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