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1-800-Belden1



### Description:

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

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
6	18	7x26	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)
82.550

##### Overall Cabling Color Code Chart:

Color
Black
Red
White
Green
Brown
Blue

Overall Nominal Diameter: 5.461 mm

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 79.023 Kg/Km

## 5304FE Multi-Conductor - Commercial Applications

Max. Recommended Pulling Tension:	660.113 N
Min. Bend Radius (Install)/Minor Axis:	53.975 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
Plenum Number:	6304FE

### Surface Printing (Overall)

#### Electrical Characteristics (Overall)

##### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
93.509

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

Capacitance (pF/m)
168.151

##### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
21.3265

##### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
23.6232

##### Max. Operating Voltage - UL:

Voltage
300 V RMS

##### Max. Recommended Current:

Current
3.5 Amps per conductor @ 25°C

#### Related Documents:

No related documents are available for this product

#### Put Ups and Colors:

## 5304FE Multi-Conductor - Commercial Applications

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5304FE 008U500	152 MT	10.433 KG	GRAY		6 #18 PP FS FRPVC
5304FE 0081000	305 MT	20.412 KG	GRAY	C	6 #18 PP FS FRPVC
5304FE 008500	152 MT	10.659 KG	GRAY	C	6 #18 PP FS FRPVC

**Notes:**

C = CRATE REEL PUT-UP.

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