

## 5302FE Multi-Conductor - Commercial Applications

 For more Information  
 please call

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
4	18	7x26	BC - Bare Copper

**Insulation****Insulation Material:**

Insulation Material	Wall Thickness (in.)
PP - Polypropylene	0.007

**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 (in.)
PVC - Polyvinyl Chloride	0.017

**Outer Jacket Ripcord:**

Yes

**Overall Cable****Overall Cabling Lay Length & Direction:**

Length (in.)
3.25

**Overall Cabling Color Code Chart:**

Color
Black
Red
White
Green

**Overall Nominal Diameter:**

0.180 in.

**Mechanical Characteristics (Overall)**
**Operating Temperature Range:** -20°C To +75°C

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 29 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 103.600 lbs.

## 5302FE Multi-Conductor - Commercial Applications

Min. Bend Radius (Install)/Minor Axis: 1.800 in.

## 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 &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

## Flame Test

UL Flame Test: UL1666 Vertical Shaft

CSA Flame Test: FT4

## Plenum/Non-Plenum

Plenum Number: 6320FE

## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

28.500

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

Capacitance (pF/ft)

51.250

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.5

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

7.2

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Max. Recommended Current:

Current

4 Amps per conductor @ 25°C

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5302FE 008U1000	1,000 FT	36.000 LB	GRAY		4 #18 PP FS FRPVC
5302FE 008U500	500 FT	17.000 LB	GRAY		4 #18 PP FS FRPVC
5302FE 0081000	1,000 FT	32.000 LB	GRAY	C	4 #18 PP FS FRPVC
5302FE 008500	500 FT	18.000 LB	GRAY		4 #18 PP FS FRPVC

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**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 2      Revision Date: 06-02-2008

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