

5302F1 Multi-Conductor - Water-Blocked for Use in Underground Ducts



For more Information
please call

1-800-Belden1

**General Description:**

Security & Alarm Cable, Rated-CMG-FPL-PLTC-ER, 4-18 AWG stranded tinned copper conductors with PVC insulation, waterblocking tape, Beldfoil® shield and PVC jacket

Usage (Overall)

Suitable Applications:

Low Voltage, Water-Blocked for Use in Underground Ducts, PLTC-ER, FPL, Intercom, Sound, Audio

Physical Characteristics (Overall)**Conductor**

AWG:

# Conductors	AWG	Stranding	Conductor Material
4	18	7x26	TC - Tinned Copper

Total Number of Conductors:

4

Insulation

Insulation Material:

Insulation Material
PVC - Polyvinyl Chloride

Outer Shield

Outer Shield Material:

Outer Shield Material	Coverage (%)
Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	solid	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White
3	Red
4	Green

Overall Cabling Separator Material:

Waterblocking Tape

Overall Nominal Diameter:

0.259 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +105°C

UL Temperature Rating: 105°C

Bulk Cable Weight: 42 lbs/1000 ft.

Max. Recommended Pulling Tension: 102 lbs.

Min. Bend Radius/Minor Axis: 2.750 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CMG, FPL, PLTC, PLTC-ER

CEC/C(UL) Specification: CMG

EU Directive 2011/65/EU (ROHS II): Yes

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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): 11/06/2006

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: UL1685 FT4/IEEE 1202 Vertical Tray Flame Test

CSA Flame Test: FT4

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Burial: Yes

Sunlight Resistance: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)

40

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.6

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

15.250

Max. Operating Voltage - UL:

Voltage

300 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5302F1 0021000	1,000 FT	49.000 LB	RED	C	4 #18 PVC FS PVC
5302F1 0101000	1,000 FT	49.000 LB	BLACK	C	4 #18 PVC FS PVC

Notes:

C = CRATE REEL PUT-UP.

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