

5140F1 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, 1-14 AWG stranded tinned copper pair with PVC insulation, Beldfoil® shield, Waterblocking tape, PVC jacket

Usage (Overall)

Suitable Applications: Low Volatage, Water-Blocked for Use in Underground Ducts, PLTC, FPL, Intercom, Sound, Audio

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	14	19x27	TC - Tinned Copper

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.3556

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
16	(19x29)	TC - Tinned Copper

Outer Shield Waterblocking Tape: Yes

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.0668

Overall Cable

Overall Nominal Diameter: 8.280 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C

Bulk Cable Weight: 74.410 Kg/Km

Max. Recommended Pulling Tension: 600.507 N

Min. Bend Radius/Minor Axis: 82.550 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/UL) Specification: CMG, FPL, PLTC

CEC/C(UL) Specification: CMG

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

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

METRIC MEASUREMENT VERSION

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EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	11/08/2006
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
Other Specification:	PLTC-ER

Flame Test

UL Flame Test:	UL1685 FT4/IEEE 1202 Vertical Tray Flame Test
C(UL) Flame Test:	FT4
Other Flame Test:	IEEE 1202

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Burial:	Yes - UL
Sunlight Resistance:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
272.323

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
10.0071

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
36.911

Max. Operating Voltage - UL:

Voltage
300 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5140F1 0021000	1,000 FT	68.000 LB	RED	C	1 FS PR #14 PVC PVC
5140F1 0101000	1,000 FT	68.000 LB	BLACK	C	1 FS PR #14 PVC PVC

Notes:

C = CRATE REEL PUT-UP.

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