

5140U1 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, Waterblocking tape, PVC jacket

Usage (Overall)

Suitable Applications: Low Voltage, 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 Material
Unshielded

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: 7.976 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: 69.945 Kg/Km

Max. Recommended Pulling Tension: 422.579 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

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 11/08/2006

METRIC MEASUREMENT VERSION

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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
CSA Flame Test:	FT4
Other Flame Test:	IEEE 1202

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
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)
101.711

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
10.0071

Max. Operating Voltage - UL:

Voltage
300 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5140U1 0021000	1,000 FT	63.000 LB	RED		1 PR #14 PVC PVC
5140U1 0101000	1,000 FT	63.000 LB	BLACK		1 PR #14 PVC PVC

Revision Number: 3 Revision Date: 03-11-2013

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).