

5102U1 Multi-Conductor - Water-Blocked for Indoor/Outdoor Use



For more Information
please call

1-800-Belden1



General Description:

Security & Alarm Cable, Rated-CMG-FPL-PLTC-ER, 3-14 AWG stranded tinned copper conductors with PVC insulation, Waterblocking tape, PVC jacket with ripcord

Usage (Overall)

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

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
4	14	19x27	TC - Tinned Copper

Total Number of Conductors: 4

Insulation

Insulation Material:

Insulation Material
PVC - Polyvinyl Chloride

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

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: 0.356 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C

Bulk Cable Weight: 82 lbs/1000 ft.

Max. Recommended Pulling Tension: 190 lbs.

Min. Bend Radius/Minor Axis: 3.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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

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

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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
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Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

31.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.9

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

13 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5102U1 0021000	1,000 FT	116.000 LB	RED		4 #14 PVC PVC
5102U1 0101000	1,000 FT	116.000 LB	BLACK		4 #14 PVC PVC

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