

## 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:**

9.042 mm

**Mechanical Characteristics (Overall)****Operating Temperature Range:**

-30°C To +105°C

**UL Temperature Rating:**

105°C

**Bulk Cable Weight:**

122.032 Kg/Km

**Max. Recommended Pulling Tension:**

845.158 N

**Min. Bend Radius/Minor Axis:**

88.900 mm

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

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification:	CMG, FPL, PLTC-ER
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CEC/C(UL) Specification:	CMG
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EU Directive 2011/65/EU (ROHS II):	Yes
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EU CE Mark:	Yes
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	11/06/2006
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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## Flame Test

UL Flame Test:	UL1685 FT4/IEEE 1202 Vertical Tray Flame Test
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CSA Flame Test:	FT4
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## Suitability

Suitability - Indoor:	Yes
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Suitability - Outdoor:	Yes
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Suitability - Burial:	Yes
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Sunlight Resistance:	Yes
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## Plenum/Non-Plenum

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

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
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101.711
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## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
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9.5149
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## Max. Operating Voltage - UL:

Voltage
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300 V RMS
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## Max. Recommended Current:

Current
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13 Amps per conductor @ 25°C
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## 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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## 5102U1 Multi-Conductor - Water-Blocked for Indoor/Outdoor Use

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