# **Detailed Specifications & Technical Data**

**ENGLISH MEASUREMENT VERSION** 



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



For more Information please call

1-800-Belden1



### **Description:**

14 AWG stranded (19x27) tinned copper conductors, PVC insulation, water-blocking tape, overall PVC jacket.

### **Usage (Overall)**

Suitable Applications: Low Voltage, Direct Burial, FPL, PLTC, Intercom, Sound, Audio

### **Physical Characteristics (Overall)**

#### Conductor

AWG:

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

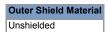
#### Insulation

**Insulation Material:** 

Insulation Material
PVC - Polyvinyl Chloride

#### **Outer Shield**

**Outer Shield Material:** 



### **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 (Install)/Minor Axis:	3.500 in.

### **Applicable Specifications and Agency Compliance (Overall)**

**Applicable Standards & Environmental Programs** 

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

## **Related Documents:**

No related documents are available for this product

### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5102U1 0021000	1,000 FT	96.000 LB	RED		4 #14 PVC PVC
5102U1 0101000	1,000 FT	96.000 LB	BLACK		4 #14 PVC PVC

Revision Number: 2 Revision Date: 01-07-2011

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.