

## 5140U1 Multi-Conductor - Water-blocked for Use in Underground Ducts



For more Information  
please call

1-800-Belden1

**Description:**

14 AWG stranded (19x27) tinned copper conductors, PVC insulation, PVC jacket.

**Usage (Overall)**

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

**Physical Characteristics (Overall)****Conductor**

**AWG:**

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

**Insulation**

**Insulation Material:**

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.014

**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 (in.)
PVC - Polyvinyl Chloride	.042

**Overall Cable**

**Overall Nominal Diameter:** 0.314 in.

**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:** 47 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 95 lbs.

**Min. Bend Radius (Install)/Minor Axis:** 3.250 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

**NEC/(UL) Specification:** CMG, FPL, PLTC

**CEC/C(UL) Specification:** CMG

**5140U1 Multi-Conductor - Water-blocked for Use in Underground Ducts**

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

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire &amp; 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

**Electrical Characteristics (Overall)****Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)

31.000

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

3.05

**Max. Operating Voltage - UL:**

Voltage

300 V RMS

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5140U1 0021000	1,000 FT	58.000 LB	RED		1 PR #14 PVC PVC
5140U1 0101000	1,000 FT	58.000 LB	BLACK		1 PR #14 PVC PVC

Revision Number: 3    Revision Date: 01-07-2011

© 2012 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the

## 5140U1 Multi-Conductor - Water-blocked for Use in Underground Ducts

compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product. Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.