

5524G1 Multi-Conductor - Water-Blocked for Indoor/Outdoor Use



For more Information
please call

1-800-Belden1



General Description:

Security & Alarm Cable, Rated-CM, 1-22 AWG solid tinned copper pair with PVC insulation and Beldfoil® shield, 4-22 AWG solid tinned copper conductors with PVC insulation, Overall waterblocking tape, PVC jacket

Usage (Overall)

Suitable Applications: Low Voltage, Water Resistant, Water-Blocked for Use in Underground Ducts, Moisture Resistant, Sunlight Resistant, Indoor/Outdoor, CM

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
4	1	22	Solid	TC - Tinned Copper

Total Number of Conductors: 6

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.254

Inner Shield

Inner Shield Material:

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)	Stranding	Conductor Material
Blk/Red Pair	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100	Solid	TC - Tinned Copper
Blk/Red Pair	Waterblocking Tape	Tape	Non-woven	100		

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.635

Overall Cable

Overall Cabling Separator Material: Waterblocking Tape

Overall Nominal Diameter: 6.198 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Brown
3	Green
4	Blue
5	White

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +105°C

Bulk Cable Weight: 43.455 Kg/Km

Max. Recommended Pulling Tension: 240.203 N

Min. Bend Radius/Minor Axis: 63.500 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CM

EU Directive 2011/65/EU (ROHS II): Yes

METRIC MEASUREMENT VERSION

5524G1 Multi-Conductor - Water-Blocked for Indoor/Outdoor Use

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):	07/12/2006
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:	UL1581 Vertical Tray
----------------	----------------------

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
160.113

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
288.072

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
51.5117

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
37.0753

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
3.2 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5524G1 0081000	1,000 FT	31.000 LB	GRAY	C	1 FS PR #22, 4 #22 PVC FS PVC
5524G1 0101000	1,000 FT	31.000 LB	BLACK	C	1 FS PR #22, 4 #22 PVC FS PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 0 Revision Date: 03-11-2013

© 2017 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 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 2014/35/EU).