

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

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Min. Bend Radius/Minor Axis:	63.500 mm
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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
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
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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)

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.

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

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