

5522G1 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, 2-22 AWG solid tinned copper conductors with PVC insulation, Overall waterblocking tape, PVC jacket with ripcord

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
	1	22	Solid	TC - Tinned Copper
2		22	Solid	TC - Tinned Copper

Total Number of Conductors: 4

Insulation

Insulation Material:

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

Inner Shield

Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Inner Shield Drain Wire AWG:

AWG	Stranding	Conductor Material
22	Solid	TC - Tinned Copper

Inner Shield Waterblocking Tape: Non-woven

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 (mm)
PVC - Polyvinyl Chloride	0.635

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Color Code Chart:

Number	Color	Group/Cond. Color
1	Black and Red	Shielded Pair
2	White	Conductor
3	Green	Conductor

Overall Nominal Diameter: 5.690 mm

Pair

Pair Lay Length & Direction:

Lay Length (mm)
38.1

Mechanical Characteristics (Overall)

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

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Bulk Cable Weight:	34.377 Kg/Km
Max. Recommended Pulling Tension:	138.784 N
Min. Bend Radius/Minor Axis:	57.150 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
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):	10/01/2005
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 UL Loading
C(UL) Flame Test:	FT1

Plenum/Non-Plenum

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

Nom. Inductance:

Inductance (µH/m)
0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
159.129

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
283.807

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
53.8084

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
2.2 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5522G1 0101000	1,000 FT	27.000 LB	BLACK	C	1 FS PR + 2 #22 S-R PVC PVC

Notes:
C = CRATE REEL PUT-UP.

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