

5521G1 Multi-Conductor - Water-Blocked for Use in Underground Ducts



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, 1-22 AWG solid tinned copper pairs with PVC insulation, Inner and overall waterblocking tapes, PVC jacket with ripcord

Usage (Overall)

Suitable Applications: Low Voltage, Water Resistant, Water-Blocked for Use in Underground Ducts, Moisture Resistant, CM, A30 Intercom, Sound, Audio, Indoor/Outdoor

Physical Characteristics (Overall)

Conductor

AWG:

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

Total Number of Conductors: 6

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.010

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
22

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.025

Overall Cable

Overall Cabling Color Code Chart:

Color
Black & Red (shielded pair)
White

Overall Cabling Separator Material: Waterblocking Tape

Overall Nominal Diameter: 0.283 in.

Pair

Pair Lay Length & Direction:

Lay Length (in.)
1.500

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 31.700 lbs/1000 ft.

Max. Recommended Pulling Tension: 54 lbs.

Min. Bend Radius/Minor Axis: 3 in.

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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):	07/18/2006
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. Inductance:

Inductance (µH/ft)	.18
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Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)	48.5
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Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)	87.3
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Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)	16.4
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Max. Operating Voltage - UL:

Voltage	300 V RMS
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Max. Recommended Current:

Current	2.8 Amps per conductor @ 25°C
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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5521G1 008500	500 FT	13.000 LB	GRAY		1 FS PR + 1 #22 S-R PVC PVC
5521G1 0101000	1,000 FT	22.000 LB	BLACK	C	1 FS PR + 1 #22 S-R PVC PVC

Notes:

C = CRATE REEL PUT-UP.

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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.