

5504G1 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 stranded tinned copper pair with PVC insulation and Beldfoil® shield, 4-22 AWG stranded tinned copper pair with PVC insulation, Overall waterblocking tape and PVC jacket with ripcord

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
	1	22	7x30	TC - Tinned Copper
4		22	7x30	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:

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
24	7x32	TC - Tinned Copper

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
4	Brown	Conductor
5	Blue	Conductor

Overall Nominal Diameter: 6.807 mm

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Pair

Pair Lay Length & Direction:

Lay Length (mm)
44.45

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +105°C
Bulk Cable Weight:	46.878 Kg/Km
Max. Recommended Pulling Tension:	242.872 N
Min. Bend Radius/Minor Axis:	69.850 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)
146.005

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
262.808

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

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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5504G1 0081000	1,000 FT	37.000 LB	GRAY		1 FS PR + 4 #22 S-R PVC PVC
5504G1 0101000	1,000 FT	37.000 LB	BLACK	C	1 FS PR + 4 #22 S-R PVC PVC

Notes:

C = CRATE REEL PUT-UP.

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