

## 5584G1 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, Inner and Overall waterblocking tape, PVC jacket

### 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
3	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:

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

#### 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:** 7.188 mm

#### Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green

### Mechanical Characteristics (Overall)

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

**Bulk Cable Weight:** 47.176 Kg/Km

**Max. Recommended Pulling Tension:** 240.203 N

**Min. Bend Radius/Minor Axis:** 76.200 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

### 5584G1 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):	07/18/2006
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. Capacitance Conductor to Conductor:

Description	Freq. (MHz)	Capacitance (pF/m)
Blk/Red Pair	1	108.273
Other Pairs	1	59.058

#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
290.697

#### 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
5584G1 0081000	1,000 FT	35.000 LB	GRAY	C	1 FS PR, 2 PR #22 PVC PVC
5584G1 0101000	1,000 FT	36.000 LB	BLACK		1 FS PR, 2 PR #22 PVC PVC

#### Notes:

C = CRATE REEL PUT-UP.

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