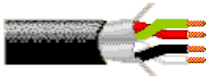


## 5541P1 Multi-Conductor - Water-Blocked for Indoor/Outdoor Use



For more Information  
please call

1-800-Belden1



### General Description:

Security & Alarm Cable, Riser-CMR, 2-22 AWG stranded bare copper pairs with PVC insulation, Individually Waterblock tape and Beldfoil® shielded, 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:

# Pairs	AWG	Stranding	Conductor Material
2	22	7	BC - Bare Copper

**Total Number of Conductors:** 4

#### 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	Stranding	Conductor Material
24	7	TC - Tinned Copper

**Inner Shield Waterblocking Tape:** Non-Woven

#### Outer Jacket

Outer Jacket Material:

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

#### Overall Cable

**Overall Nominal Diameter:** 0.239 in.

#### Pair

Pair Color Code Chart:

Number	Color
1	Black & White
2	Green & Red

### Mechanical Characteristics (Overall)

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

**Bulk Cable Weight:** 29.100 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 41.900 lbs.

**Min. Bend Radius/Minor Axis:** 2.500 in.

### 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

## 5541P1 Multi-Conductor - Water-Blocked for Indoor/Outdoor Use

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
Plenum Number:	6541FE

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
47.200

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

Capacitance (pF/ft)
84.900

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
16.4

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
15

#### Max. Operating Voltage - UL:

Voltage
300 V RMS

#### Max. Recommended Current:

Current
3.8 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5541P1 0081000	1,000 FT	29.000 LB	GRAY	C	2 FS PR #22 PVC FS PVC
5541P1 0101000	1,000 FT	29.000 LB	BLACK	C	2 FS PR #22 PVC FS PVC

#### Notes:

C = CRATE REEL PUT-UP.

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