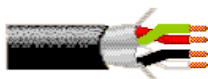


**5541P1 Multi-Conductor - Water-Blocked for Indoor/Outdoor Use**

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 (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	7	TC - Tinned Copper

Inner Shield Waterblocking Tape:

Non-Woven

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.635

**Overall Cable**

Overall Nominal Diameter:

6.071 mm

**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: 43.307 Kg/Km

Max. Recommended Pulling Tension: 186.380 N

Min. Bend Radius/Minor Axis: 63.500 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

## METRIC MEASUREMENT VERSION

## 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/m)
154.863

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

Capacitance (pF/m)
278.557

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
53.8084

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
49.215

## 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.

Revision Number: 1 Revision Date: 03-11-2013

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).