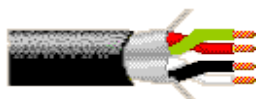


5541P1 Multi-Conductor - Water-Blocked for Indoor/Outdoor Use



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
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 & 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 008Z1000	1,000 FT	31.000 LB	GRAY		2 FS PR #22 PVC FS PVC
5541P1 0081000	1,000 FT	29.000 LB	GRAY	C	2 FS PR #22 PVC FS PVC
5541P1 010Z1000	1,000 FT	31.000 LB	BLACK		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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