

Part Number: 5541P1

Security & Sound, #22-2pr, BC, Individ. Foil, CM, Water-Blocked



Product Description

Security & Sound Cable, Riser-CM, 2-22 AWG stranded bare copper pairs with PVC insulation, Individually Waterblock tape and Beldfoil® shielded, PVC jacket

Technical Specifications

Product Overview

Suitable Applications:	Low Voltage, Water Resistant, Water-Blocked for Use in Underground Ducts, Moisture Resistant, Sunlight Resistant, Indoor/Outdoor, CM
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
22	7	BC - Bare Copper	2

Conductor Count:	4
Total Number of Pairs:	2
Conductor Size:	22 AWG

Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.01 in

Color Chart

Number	Color
1	Black & White
2	Green & Red

Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	24	7
Waterblocking Tape						

InnerShield, Table Note:	Non-Woven
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Outer Jacket Material

Nominal Diameter	Nominal Wall Thickness
0.239 in	0.025 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR
16.4 Ohm/1000ft	16.4 Ohm/1000ft		15 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
47.2 pF/ft	84.9 pF/ft

Shielding:	Individually Foiled + No Overall
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Current

Max. Recommended Current [A]

Per conductor @ 25°C: 3.8 A

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

Operating Temp Range: -20°C To +105°C

Mechanical Characteristics

Bulk Cable Weight: 29.1 lbs/1000ft

Max Recommended Pulling Tension: 41.9 lbs

Min Bend Radius/Minor Axis: 2.5 in

Standards

NEC Articles: 800

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CM

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2003/11/EC (BFR): Yes

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive 2015/863/EU: Yes

EU Directive Compliance: Yes

EU CE Mark: Yes

EU RoHS Compliance Date (yyyy-mm-dd): 2006-07-12

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Flammability, LSOH, Toxicity Testing

UL Flammability: UL1581 Vertical Tray

UL voltage rating: 300 V RMS

Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 6541FE

Part Number

Variants

Item #	Color	Footnote
5541P1 0101000	Black	C
5541P1 0081000	Gray	C

Footnote: C - CRATE REEL PUT-UP.

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