

## 9451PS6 Multi-Conductor - Banana Peel® Multi-Pair Snake Cable

For more Information  
please call

1-800-Belden1



**Picture  
Not Available**

**General Description:**

6 splined, 22 AWG stranded (7x30) TC conductors, twisted pair, FEP insulation, overall Beldfoil shield (100% coverage), 22 AWG stranded TC drain wire, Flamarrest® jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

# Pairs	AWG	Stranding	Conductor Material
6	22	7x30	TC - Tinned Copper

Total Number of Conductors: 12

**Insulation**

Insulation Material:

Insulation Material	Wall Thickness (mm)
FEP - Fluorinated Ethylene Propylene	0.1778

**Outer Shield**

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	7x30	TC - Tinned Copper

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.4318

Outer Jacket Diameter:

Component #	Nom. Dia. (mm)
1-6	3.226

**Overall Cable**

Overall Nominal Diameter: 9.677 mm

**Pair**

Pair Color Code Chart:

Number	Color
1	Black & Red

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 60°C

Bulk Cable Weight: 130.962 Kg/Km

Max. Recommended Pulling Tension: 720.608 N

Min. Bend Radius/Minor Axis: 101.600 mm

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## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
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):	07/20/2011
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

## Applicable Patents:

Country
www.belden.com/p

## Flame Test

UL Flame Test:	NFPA 262
CSA Flame Test:	FT6

## Suitability

Suitability - Indoor:	Yes
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## Plenum/Non-Plenum

Plenum (Y/N):	Yes
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## Electrical Characteristics (Overall)

## Nom. Inductance:

Inductance (µH/m)
0.49215

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
114.835

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

Capacitance (pF/m)
219.827

## Nominal Velocity of Propagation:

VP (%)
69

## Nominal Delay:

Delay (ns/m)
4.82307

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
46.2621

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
46.9183

## Max. Operating Voltage - UL:

Voltage
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**9451PS6 Multi-Conductor - Banana Peel® Multi-Pair Snake Cable**

300 V RMS

**Max. Recommended Current:****Current**

2.9 Amps per conductor @ 25°C

**Notes (Overall)**

**Notes:** The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9451PS6 0081000	1,000 FT	106.000 LB	GRAY		BONDED FILLER COMPOSITE
9451PS6 008500	500 FT	54.500 LB	GRAY		BONDED FILLER COMPOSITE
9451PS6 0101000	1,000 FT	106.000 LB	BLACK		BONDED FILLER COMPOSITE
9451PS6 010500	500 FT	54.500 LB	BLACK		BONDED FILLER COMPOSITE

Revision Number: 0    Revision Date: 11-17-2014

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