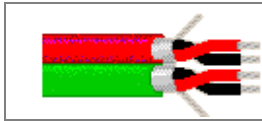


**9451D Multi-Conductor - Double-Pair Cable**



For more Information  
please call  
  
1-800-Belden1



**Description**

22 AWG stranded (7x30) TC conductors, polyolefin insulation, dual twisted pairs, overall Beldfoil® shield (100% coverage), 22 AWG stranded TC drain wire, PVC jacket in zip-cord construction.

**Physical Characteristics (Overall):**

**Conductor:**

AWG

# Pairs	AWG	Stranding	Conductor Material
2.000	22	7x30	TC - Tinned Copper

**Insulation:**

Insulation Material

Insulation Material	Wall Thickness (in.)
PO - Polyolefin	0.008

**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 Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.020

**Overall Cabling:**

Overall Nominal Diameter: 0.135 x 0.270 in.

**Pair:**

Pair Color Code Chart

Number	Color
1	Black & Red
2	Black & Red

Pair Lay Length & Direction

Lay Length (in.)	Twists/ft. (twist/ft)
1.750	6.860

**Mechanical Characteristics (Overall):**

Operating Temperature Range	-30°C To +105°C
UL Temperature Rating	105°C
Bulk Cable Weight:	27.200 lbs/1000 ft.
Max. Recommended Pulling Tension:	54 lbs.
Min. Bend Radius (Install)/Minor Axis:	1.400 in.

**Applicable Specifications and Agency Compliance (Overall):**

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**Applicable Standards:**

NEC/(UL) Specification	CMR
CEC/C(UL) Specification	CMR
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	01/01/2004

**Flame Test:**

UL Flame Test	UL1666 Vertical Shaft
CSA Flame Test	FT4

**Plenum/Non-Plenum:**

Plenum (Y/N)	No
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**Electrical Characteristics (Overall):**

Nom. Characteristic Impedance

<b>Impedance (Ohm)</b>
45.000

Nom. Inductance

<b>Inductance (µH/ft)</b>
0.160

Nom. Capacitance Conductor to Conductor

<b>Capacitance (pF/ft)</b>
34.000

Nom. Capacitance Cond. to Other Conductor & Shield

<b>Capacitance (pF/ft)</b>
67.000

Nominal Velocity of Propagation

<b>VP (%)</b>
66

Nominal Delay

<b>Delay (ns/ft)</b>
1.500

Nom. Conductor DC Resistance

<b>DCR @ 20°C (Ohm/1000 ft)</b>
14.100

Nominal Outer Shield DC Resistance

<b>DCR @ 20°C (Ohm/1000 ft)</b>
14.300

Max. Operating Voltage - UL

<b>Voltage</b>
300 V RMS

Max. Recommended Current

<b>Current</b>
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. For cross-connect use with 1814R (et. al.) Snake Cables.
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**PUT UPS AND COLORS:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9451D 053U1000	1,000 FT	29.000 LB	RED & GRAY		2 BONDED #22 FSPR PVC PVC FR REDGRY

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9451D A5Q2000	2,000 FT	62.000 LB	RED & GREEN		2 BONDED #22 FSPR PVC PVC FR REDGRN
9451D A5QU1000	1,000 FT	29.000 LB	RED & GREEN		2 BONDED #22 FSPR PVC PVC FR REDGRN
9451D G04U1000	1,000 FT	29.000 LB	RED & PURPLE		2 BONDED #22 FSPR PVC PVC FR REDPUR
9451D J77U1000	1,000 FT	29.000 LB	RED & BLACK		2 BONDED #22 FSPR PVC PVC FR REDBLK

**Notes:**

Revision Number: 1    Revision Date: 04-17-2008

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