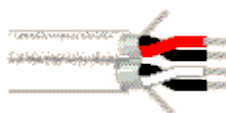


9451DP Multi-Conductor - Double-Pair Cable

For more Information
please call

1-800-Belden1



Description:

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

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
2	22	7x30	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
FEP - Fluorinated Ethylene Propylene	.007

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 (in.)
Flammarrest®	LS PVC - Low Smoke Polyvinyl Chloride	.017

Overall Cable

Overall Nominal Diameter: 0.127 x 0.269 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White

Pair Lay Length & Direction:

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

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	60°C
Bulk Cable Weight:	24 lbs/1000 ft.
Max. Recommended Pulling Tension:	54 lbs.
Min. Bend Radius (Install)/Minor Axis:	1.300 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
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):	04/01/2005
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:	NFPA 262
CSA Flame Test:	FT6

Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	9451D

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

42

Nom. Inductance:

Inductance (μ H/ft)

.15

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

35

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

67

Nominal Velocity of Propagation:

VP (%)

69

Nominal Delay:

Delay (ns/ft)

1.47

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

14.1

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

14.3

Max. Operating Voltage - UL:

Voltage

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.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9451DP 0091000	1,000 FT	26.000 LB	WHITE	C	2 FSPR #22 FEP PLENUM PVC

Notes:

C = CRATE REEL PUT-UP.

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