

9451 Paired - Single-Pair Cables

		<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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Description:

22 AWG stranded (7x30) TC conductors, polypropylene insulation, twisted pair, overall Beldfoil shield (100% coverage), 22 AWG stranded TC drain wire, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	1
Total Number of Conductors	2
AWG	22
Stranding	7x30
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	PP - Polypropylene
Nom. Insulation Wall Thickness	.008 in.
Lay Length	1.75 in.
Twists/ft.	6.86

Pair Color Code Chart :

Number	Color
1	Black & Red

OUTER SHIELD:

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

OUTER SHIELD DRAIN WIRE :

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

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	.020 in.

OVERALL NOMINAL DIAMETER:

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Overall Nominal Diameter	.135 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +75°C
UL Temperature Rating	60°C
Bulk Cable Weight	13.6 lbs/1000 ft.
Max. Recommended Pulling Tension	27 lbs.
Min. Bend Radius (Install)	1.4 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMR
CEC/C(UL) Specification	CMG
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)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	45 Ohms
Nom. Inductance	.17 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	35 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	67 pF/ft
Nominal Velocity of Propagation	66 %
Nominal Delay	1.5 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	14.1 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	14.3 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	2.9 Amps per conductor @ 25°C

NOTES:

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	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
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9451 0015000	2 #22 PP FS PVC FR	5000	70	BROWN	C N
9451 001U1000	2 #22 PP FS PVC FR	U1000	15	BROWN	
9451 0025000	2 #22 PP FS PVC FR	5000	75	RED	C N
9451 002U1000	2 #22 PP FS PVC FR	U1000	15	RED	
9451 0035000	2 #22 PP FS PVC FR	5000	75	ORANGE	C N
9451 003U1000	2 #22 PP FS PVC FR	U1000	15	ORANGE	
9451 0045000	2 #22 PP FS PVC FR	5000	75	YELLOW	C N
9451 004U1000	2 #22 PP FS PVC FR	U1000	15	YELLOW	
9451 0065000	2 #22 PP FS PVC FR	5000	75	BLUE, LIGHT	C N
9451 006U1000	2 #22 PP FS PVC FR	U1000	15	BLUE, LIGHT	
9451 0075000	2 #22 PP FS PVC FR	5000	75	VIOLET	C N
9451 007U1000	2 #22 PP FS PVC FR	U1000	15	VIOLET	
9451 008500	2 #22 PP FS PVC FR	500	8	GRAY	
9451 0085000	2 #22 PP FS PVC FR	5000	75	GRAY	C N
9451 008T1000	2 #22 PP FS PVC FR	T1000	18	GRAY	
9451 008U1000	2 #22 PP FS PVC FR	U1000	15	GRAY	
9451 008U500	2 #22 PP FS PVC FR	U500	8.5	GRAY	
9451 0095000	2 #22 PP FS PVC FR	5000	75	WHITE	C N
9451 009U1000	2 #22 PP FS PVC FR	U1000	15	WHITE	
9451 0105000	2 #22 PP FS PVC FR	5000	75	BLACK	C N
9451 010U1000	2 #22 PP FS PVC FR	U1000	15	BLACK	
9451 N3U5000	2 #22 PP FS PVC FR	5000	70	GREEN, MIL	C N
9451 N3UU1000	2 #22 PP FS PVC FR	U1000	15	GREEN, MIL	

C = CRATE REEL PUT-UP.

N = FINAL PUT-UP LENGTH MAY VARY -0% TO +10% FROM LENGTH SHOWN.

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