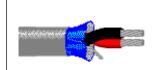


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9451 Paired - Single-Pair Cables





For more information please call 1-800-Belden1

See Put-ups and Colors

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



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Notes

9451 Paired - Single-Pair Cables

ter Jacket Nominal Wall Thickness .020 i VERALL NOMINAL DIAMETER: erall Nominal Diameter .135 i ECHANICAL CHARACTERISTICS: erating Temperature Range20°C . Temperature Rating 60°C lk Cable Weight 13.61	n.
erall Nominal Diameter .135 i ECHANICAL CHARACTERISTICS: erating Temperature Range .20°C Temperature Rating 60°C	
ECHANICAL CHARACTERISTICS: erating Temperature Range -20°C Temperature Rating 60°C	
erating Temperature Range -20°C Temperature Rating 60°C	C.To. 175°C
Temperature Rating 60°C	TT0 175°C
	. 10 +73 C
lk Cable Weight 13.61	
13.01	bs/1000 ft.
xx. Recommended Pulling Tension 27 lbs	3.
n. Bend Radius (Install) 1.4 in	
PPLICABLE SPECIFICATIONS AND AGENCY COM	PLIANCE:
PPLICABLE STANDARDS:	
CC/(UL) Specification CMR	
C/C(UL) Specification CMG	
CE Mark (Y/N) Yes	
RoHS Compliant (Y/N) Yes	
RoHS Compliance Date (mm/dd/yyyy): 01/01	/2004
LAME TEST:	
Flame Test UL16	666 Vertical Shaft
A Flame Test FT4	
LENUM/NON-PLENUM:	
num (Y/N)	
LECTRICAL CHARACTERISTICS:	
m. Characteristic Impedance 45 O	hms
m. Inductance .17 µF	H/ft
m. Capacitance Conductor to Conductor @ 1 KHz 35 pF	/ft
m. Cap. Cond. to Other Cond. & Shield @ 1 KHz 67 pF	/ft
minal Velocity of Propagation 66 %	
minal Delay 1.5 ns	t/ft
m. Conductor DC Resistance @ 20 Deg. C 14.1	Ohms/1000 ft
minal Outer Shield DC Resistance @ 20 Deg. C 14.3	Ohms/1000 ft
ax. Operating Voltage - UL 300 V	7 RMS
xx. Recommended Current 2.9 A	mps per conductor @ 25°C
OTES:	

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.

Detailed Specifications & Technical Data



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9451 Paired - Single-Pair Cables

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
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	CN
9451 002U1000	2 #22 PP FS PVC FR	U1000	15	RED	
9451 0035000	2 #22 PP FS PVC FR	5000	75	ORANGE	CN
9451 003U1000	2 #22 PP FS PVC FR	U1000	15	ORANGE	
9451 0045000	2 #22 PP FS PVC FR	5000	75	YELLOW	CN
9451 004U1000	2 #22 PP FS PVC FR	U1000	15	YELLOW	
9451 0065000	2 #22 PP FS PVC FR	5000	75	BLUE, LIGHT	CN
9451 006U1000	2 #22 PP FS PVC FR	U1000	15	BLUE, LIGHT	
9451 0075000	2 #22 PP FS PVC FR	5000	75	VIOLET	CN
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	CN
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	CN
9451 009U1000	2 #22 PP FS PVC FR	U1000	15	WHITE	
9451 0105000	2 #22 PP FS PVC FR	5000	75	BLACK	CN
9451 010U1000	2 #22 PP FS PVC FR	U1000	15	BLACK	
9451 N3U5000	2 #22 PP FS PVC FR	5000	70	GREEN, MIL	CN
9451 N3UU1000	2 #22 PP FS PVC FR	U1000	15	GREEN, MIL	

C = CRATE REEL PUT-UP.

Detailed Specifications & Technical Data



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9451 Paired - Single-Pair Cables

Revision Number: 1 Revision Date: 07-27-2005

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