

9452 Non-Paired - Two-Conductor, Low-Impedance Cable



For more information please
call

1-800-Belden1

See Put-ups and Colors

Description:

24 AWG stranded (19x36) HC TC conductors, high-density polyethylene insulation, twisted pair, noise reducing tape, Beldfoil® shield (100% coverage), 24 AWG stranded TC drain wire, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Conductors	2
Total Number of Conductors	2
AWG	24
Stranding	19x36
Conductor Diameter	.024 in.
Conductor Material	High Conductivity TC - Tinned Copper

INSULATION:

Insulation Material	HDPE - High Density Polyethylene
Nom. Insulation Wall Thickness	.008 in.
Insulation Diameter	.040 in.

OVERALL CABLING:

Overall Cabling Color Code Chart	Black, Red
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OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil®
Outer Shield Type	Tape

Outer Shield Material :

Layer Number	Material Trade Name	Type	Material	% Coverage (%)
1		Tape	Noise Reducing	100
2	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield %Coverage	100 %
Outer Shield Drain Wire AWG	24
Outer Shield Drain Wire Stranding	Stranded
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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Outer Jacket Nominal Wall Thickness	.020 in.
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.135 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +75°C
Non-UL Temperature Rating	75°C
Bulk Cable Weight	11.7 lbs/1000 ft.
Max. Recommended Pulling Tension	17.7 lbs.
Min. Bend Radius (Install)	1.35 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	56 Ohms
Nom. Inductance	.18 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	30 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	58 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	25 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	16.5 Ohms/1000 ft
Max. Operating Voltage - Non-UL	200 V RMS
Max. Recommended Current	2.2 Amps per conductor @ 25°C

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9452 0101000	2 #24 PE SHLD PVC	1000	12	BLACK	
9452 010500	2 #24 PE SHLD PVC	500	6	BLACK	
9452 010U1000	2 #24 PE SHLD PVC	U1000	12	BLACK	
9452 010U500	2 #24 PE SHLD PVC	U500	6.5	BLACK	

Revision Number: 1

Revision Date: 07-26-2005

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