

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

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

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter .135 in.

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

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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