

83509 Non-Paired - Audio, Control and Instrumentation Cable

 	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> <p>Related Documents : No. 2 and 2R (ICEA).pdf</p>
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Description:

24 AWG stranded (7x32) TC conductors, conductors cabled, plenum, FEP insulated, overall Beldfoil® (100% coverage) + TC braid shield (85% coverage), FEP jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Conductors	9
Total Number of Conductors	9
AWG	24
Stranding	7x32
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	FEP - Fluorinated Ethylene Propylene
Nom. Insulation Wall Thickness	.006 in.

OVERALL CABLING:

Overall Cabling Lay Length	2.0 in.
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Overall Cabling Color Code Chart :

Number	Color	Number	Color
1	Black	6	Blue
2	White	7	White/Black
3	Red	8	Red/Black
4	Green	9	Green/Black
5	Orange		

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil®
Outer Shield Type	Tape/Braid

Outer Shield Material :

Layer Number	Material Trade Name	Type	Material	% Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	85

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OUTER JACKET:

Outer Jacket Material	FEP - Fluorinated Ethylene Propylene
Outer Jacket Nominal Wall Thickness	.014 in.

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.188 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-70°C To +200°C
Bulk Cable Weight	39 lbs/1000 ft.
Max. Recommended Pulling Tension	55 lbs.
Min. Bend Radius (Install)	2.5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMP
CEC/C(UL) Specification	CMP
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005

FLAME TEST:

UL Flame Test	NFPA 262
C(UL) Flame Test	FT4, FT6

PLENUM/NON-PLENUM:

Plenum (Y/N)	Y
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ELECTRICAL CHARACTERISTICS:

Nom. Capacitance Conductor to Conductor @ 1 KHz	20 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	36 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	24.0 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	5 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	1.4 Amps per conductor @ 25°C

NOTES:

Notes	Plenum Cables, except for Flamarrest® jacket, are suitable for Outdoor and Direct Burial application.
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
83509 002100	9 #24 FEP SHLD FEP	100	5.3	RED	C

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83509 0021000	9 #24 FEP SHLD FEP	1000	38	RED	C
83509 002500	9 #24 FEP SHLD FEP	500	17	RED	C

C = CRATE REEL PUT-UP.

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