

83506 Non-Paired - Audio, Control and Instrumentation Cable

 	<p>Metric Version 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	6
Total Number of Conductors	6
AWG	24
Stranding	7x32
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	FEP - Fluorinated Ethylene Propylene
Nom. Insulation Wall Thickness	0.152 mm

OVERALL CABLING:

Overall Cabling Lay Length	4.445 cm
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Overall Cabling Color Code Chart :

Number	Color	Number	Color
1	Black	4	Green
2	White	5	Orange
3	Red	6	Blue

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	0.356 mm

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	4.191 mm
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-70°C To +200°C
Bulk Cable Weight	53.545 Kg/Km
Max. Recommended Pulling Tension	165.473 N
Min. Bend Radius (Install)	50.8 mm

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	FT6

PLENUM/NON-PLENUM:

Plenum (Y/N)	Y
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ELECTRICAL CHARACTERISTICS:

Nom. Capacitance Conductor to Conductor @ 1 KHz	65.62 pF/m
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	118.116 pF/m
Nom. Conductor DC Resistance @ 20 Deg. C	78.744 Ohms/km
Nominal Outer Shield DC Resistance @ 20 Deg. C	19.03 Ohms/km
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 (M)	Ship Weight (kgs.)	Jacket Color	Notes
83506 0021000	6#24 FEP SH FEP	304.8	11.804	RED	C

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83506 002500	6#24 FEP SH FEP	152.4	5.902	RED	C
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C = CRATE REEL PUT-UP.

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