

83706 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:

16 AWG stranded (19x29) TC conductors, conductors cabled, plenum, FEP insulation, overall Beldfoil® (100% coverage) + TC braid shield (85% coverage) FEP jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Conductors	6
Total Number of Conductors	6
AWG	16
Stranding	19x29
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material Trade Name	Teflon®
Insulation Material	FEP - Fluorinated Ethylene Propylene
Nom. Insulation Wall Thickness	.007 in.

OVERALL CABLING:

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

Outer Shield % Coverage	100 %
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OUTER JACKET:

Outer Jacket Material Trade Name	Teflon®
Outer Jacket Material	FEP - Fluorinated Ethylene Propylene
Outer Jacket Nominal Wall Thickness	.014 in.

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.265 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-70°C To +200°C
Bulk Cable Weight	85 lbs/1000 ft.
Max. Recommended Pulling Tension	182 lbs.
Min. Bend Radius (Install)	2.7 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:

C(UL) Flame Test	FT6
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PLENUM/NON-PLENUM:

Plenum (Y/N)	Y
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ELECTRICAL CHARACTERISTICS:

Nom. Capacitance Conductor to Conductor @ 1 KHz	35 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	63 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	4.43 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	2.67 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	4.5 Amps per conductor @ 25°C

NOTES:

Notes	Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
83706 002100	6#16 FEP SH FEP	100	9.7	RED	

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83706 0021000	6#16 FEP SH FEP	1000	87	RED	C
83706 002500	6#16 FEP SH FEP	500	44.5	RED	C

C = CRATE REEL PUT-UP.

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