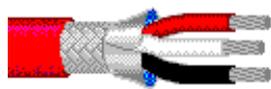


## 83553 Non-Paired - Audio, Control and Instrumentation Cable

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

22 AWG stranded (7x30) TC conductors, conductors cabled, plenum, FEP insulation, overall Beldfoil® (100% coverage) + TC braid shield (85% coverage), FEP jacket.

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Conductors	3
Total Number of Conductors	3
AWG	22
Stranding	7x30
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	3	Red
2	White		

**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 JACKET:**

Outer Jacket Material	FEP - Fluorinated Ethylene Propylene
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## 83553 Non-Paired - Audio, Control and Instrumentation Cable

Outer Jacket Nominal Wall Thickness	.014 in.
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### OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.148 in.
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### MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-70°C To +200°C
Bulk Cable Weight	25 lbs/1000 ft.
Max. Recommended Pulling Tension	29 lbs.
Min. Bend Radius (Install)	1.6 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	FT6

#### PLENUM/NON-PLENUM:

Plenum (Y/N)	Y
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#### ELECTRICAL CHARACTERISTICS:

Nom. Capacitance Conductor to Conductor @ 1 KHz	23 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	40 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	15.5 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	6.27 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	2.75 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
83553 002100	3#22 FEP SH FEP	100	3.5	RED	C
83553 0021000	3#22 FEP SH FEP	1000	20	RED	C
83553 002500	3#22 FEP SH FEP	500	11.5	RED	C

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## 83553 Non-Paired - Audio, Control and Instrumentation Cable

C = CRATE REEL PUT-UP.

Revision Number: 1      Revision Date: 06-06-2005

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