



88770 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>Color Code Chart : No. 1.pdf</p>
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Description:

18 AWG stranded (19x30) TC conductors, conductors cabled, plenum, FEP insulation, overall Beldfoil® shield (100% coverage), 20 AWG stranded TC drain wire, FEP jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Conductors	3
Total Number of Conductors	3
AWG	18
Stranding	19x30
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	FEP - Fluorinated Ethylene Propylene
Nom. Insulation Wall Thickness	.007 in.

OVERALL CABLING:

Overall Cabling Lay Length	1.75 in.
Overall Cabling Twists/ft.	6.9

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
Outer Shield Material	Aluminum Foil-Polyester Tape w/Shorting Fold
Outer Shield % Coverage	100 %
Outer Shield Drain Wire AWG	20
Outer Shield Drain Wire Stranding	19x32
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper



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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	.161 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-70°C To +200°C
Bulk Cable Weight	31.5 lbs/1000 ft.
Max. Recommended Pulling Tension	74 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

SUITABILITY:

Suitability - Outdoor	Yes
Suitability - Burial	Yes

PLENUM/NON-PLENUM:

Plenum (Y/N)	Y
Non-Plenum Number	8770

ELECTRICAL CHARACTERISTICS:

Nom. Capacitance Conductor to Conductor @ 1 KHz	54 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	96 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	6.4 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	7.3 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	8 Amps per conductor @ 25°C

NOTES:



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Notes

Chemical Resistance: Gasoline, Oil.

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
88770 0021000	3 #18 FEP FS FEP	1000	34	RED	C
88770 002500	3 #18 FEP FS FEP	500	17.5	RED	C

C = CRATE REEL PUT-UP.

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