

88770 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information
please call

1-800-Belden1

**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 (Overall)**Conductor**

AWG:

# Conductors	AWG	Stranding	Conductor Material
3	18	19x30	TC - Tinned Copper

Insulation

Insulation Material:

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

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire	Conductor Material
20	19x32	TC - Tinned Copper	

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
FEP - Fluorinated Ethylene Propylene	.014

Overall Cabling

Overall Cabling Lay Length & Direction:

Length (in.)	Twists (ft.)
1.75	6.9

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White
3	Red

Overall Nominal Diameter: 0.155 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

Bulk Cable Weight: 31.500 lbs/1000 ft.

Max. Recommended Pulling Tension: 74 lbs.

Min. Bend Radius (Install)/Minor Axis: 1.600 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

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NEC/UL) Specification:	CMP
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CEC/C(UL) Specification:	CMP
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EU CE Mark:	Yes
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Flame Test

UL Flame Test:	NFPA 262
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C(UL) Flame Test:	FT6
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Suitability

Suitability - Outdoor:	Yes
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Suitability - Burial:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Non-Plenum Number:	8770
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Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

54

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

96

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.4

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

7.3

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

8 Amps per conductor @ 25°C

Notes (Overall)

Notes: Chemical Resistance: Gasoline, Oil.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
88770 0021000	1,000 FT	28.000 LB	RED	C	3 #18 FEP FS FEP
88770 002500	500 FT	14.000 LB	RED	C	3 #18 FEP FS FEP

Notes:

C = CRATE REEL PUT-UP.

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