

**Part Number:** 88770

Audio/Control/Instrumentation, (3) 18 AWG (19x30) TC,  
FEP/FEP, Foil Shld, CMP

## Product Description

Three 18 AWG stranded (19x30) tinned copper conductors, fluorinated ethylene propylene (FEP) insulation, overall Beldfoil® shield (100% coverage), tinned copper drain wire, fluorinated ethylene propylene (FEP) jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Conductors
18	19x30	TC - Tinned Copper	3
Total Number of Conductors:			3

#### Insulation:

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.007 in

#### Color Chart 1:

Number	Color
1	Black
2	White
3	Red

#### Cabling 1:

Lay Length	Lay Direction	Twists
1.75 in	Left Hand	6.9 twist/ft

#### Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	Beldfoil®	100 %	TC - Tinned Copper	20	19x32 mm

### Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.155 in	0.014 in

## Electrical Characteristics

### Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
6.4 Ohm/1000ft	7.3 Ohm/1000ft

### Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
54 pF/ft	96 pF/ft

### Current:

Element	Max. Recommended Current [A]
35C temperature rise	8 Amps per conductor @ 25°C ambient

### Voltage:

UL Voltage Rating
300 V RMS

## Use

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	74 lbs

## Safety

CSA Flammability:	FT6
UL Flammability:	NFPA 262

## Temperature Range

Operating Temp Range:	-70°C To +200°C
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Mechanical Characteristics

Min Bend Radius/Minor Axis:	1.75 in
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Part Number

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

Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC Articles:	NEC Articles
NEC/(UL) Specification:	NEC/(UL) Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Notes:	Chemical Resistance: Gasoline, Oil.
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Product Variants

Part Number	Color	Put-Up Type	Length
88770 0021000	RED	Reel	1000 ft
88770 0025000	RED	Reel	5000 ft
88770 002500	RED	Reel	500 ft

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