

Part Number: 83652

Audio/Control/Instrumentation, (2) 18 AWG (19x30) TC,  
FEP/FEP, Foil+TC Braid Shld, CMP

## Product Description

Two 18 AWG stranded (19x30) tinned copper conductors, plenum, Teflon® (FEP) insulation, overall Beldfoil® shield (100% coverage) plus tinned copper braid shield (85% coverage), Teflon® (FEP) jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Conductors
18	19x30	TC - Tinned Copper	2
<b>Total Number of Conductors:</b>			2

#### Insulation:

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.007 in

#### Color Chart 1:

Number	Color
1	Black
2	White

#### Outershield 1:

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum Foil-Polyester Tape	Beldfoil®	100 %
Braid	2	TC - Tinned Copper		85 %

#### Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.171 in	0.014 in

## Electrical Characteristics

### Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
5.8 Ohm/1000ft	5.8 Ohm/1000ft

### Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
33 pF/ft	60 pF/ft

### Current:

Max. Recommended Current [A]
5.4 Amps per conductor @ 25°C

### Inductance:

Nominal Inductance
0.124 $\mu$ H/ft

### Voltage:

UL Voltage Rating
300 V RMS

## Use

Max Recommended Pulling Tension:	48 lbs
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## 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
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## 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/(UL) Specification:	NEC/(UL) Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

## History

## Product Variants

Part Number	Color	Put-Up Type	Length
83652 0021000	RED	Reel	1000 ft
83652 002100	RED	Reel	100 ft
83652 0022000	RED	Reel	2000 ft
83652 0025000	RED	Reel	5000 ft
83652 002500	RED	Reel	500 ft

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