



**Part Number:** 83604

Audio/Control/Instrumentation, (4) 20 AWG (7x28) TC, FEP/FEP, Foil+TC Braid Shld, CMP

## Product Description

Four 20 AWG stranded (7x28) 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
20	7x28	TC - Tinned Copper	4
<b>Total Number of Conductors:</b>			4

#### Insulation:

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.006 in

#### Color Chart 1:

Number	Color
1	Black
2	White
3	Red
4	Green

## 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	0.178 in	0.014 in

## Electrical Characteristics

### Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
8.6 Ohm/1000ft	4.6 Ohm/1000ft

### Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
26 pF/ft	51 pF/ft

### Current:

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

### Voltage:

UL Voltage Rating
300 V RMS

## Use

Max Recommended Pulling Tension:	90 lbs
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## Safety

CSA Flammability:	FT6
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UL Flammability:	NFPA 262
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## Temperature Range

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

Min Bend Radius/Minor Axis:	2 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
83604 0021000	RED	Reel	1000 ft
83604 002100	RED	Reel	100 ft
83604 002500	RED	Reel	500 ft

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