



Part Number: 83569

Control/Instrumentation, (19) 22 AWG (7x30) TC, FEP/FEP, Foil+TC Braid Shld, CMP

## **Product Description**

Nineteen 22 AWG stranded (7x30) 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
22	7×30	TC - Tinned Copper		19
Total Number o	of Conductors:		19	

#### Insulation:

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.007 in

#### Color Chart 1:

Number	Color
1	Black
2	White
3	Red
4	Green
5	Orange
6	Blue
7	White/Black
8	Red/Black
9	Green/Black
10	Orange/Black
11	Blue/Black
12	Black/White
13	Red/White
14	Green/White
15	Blue/White
16	Black/Red
17	White/Red
18	Orange/Red
19	Blue/Red

### Outershield 1:

Туре	Layer	Material	Material Trade Name	Coverage [%]
Таре	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	0.269 in	0.015 in

# **Electrical Characteristics**

### **Conductor DCR:**

Nominal Conductor DCR	Nominal Outer Shield DCR
15.5 Ohm/1000ft	3.09 Ohm/1000ft

## Capacitance:

Nom. Capacitano	ce Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
23 pF/ft		40 pF/ft

### Current:

Element	Max. Recommended Current [A]
10C Temperature rise	1.4 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:	225 lbs

## Safety

CSA Flammability:	FT6
UL Flammability:	NFPA 262

# Temperature Range

Operating Temp Range:	-70°C To +200°C

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	32.75 in

## Part Number

Plenum (Y/N):	Yes

## 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

## **Product Variants**

Part Number	Color	Put-Up Type	Length
83569 0021000	RED	Reel	1000 ft
83569 002500	RED	Reel	500 ft

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