



Part Number: 83719

Audio/Control/Instrumentation, (19) 16 AWG (19x29)
TC, FEP/FEP, Foil+TC Braid Shld, CMP

Product Description

Nineteen 16 AWG stranded (19x29) 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
16	19x29	TC - Tinned Copper	19
Total Number of Conductors:			19

Insulation:

Material	Material Trade Name	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	Teflon®	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:

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

Outerjacket 1:

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	Teflon®	0.403 in	0.014 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
4.43 Ohm/1000ft	2.67 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
35 pF/ft	63 pF/ft

Current:

Max. Recommended Current [A]

3.2 Amps per conductor @ 25°C

Voltage:

UL Voltage Rating

300 V RMS

Use

Max Recommended Pulling Tension:

577 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:

4.25 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/(UL) Specification:

NEC/(UL) Specification

EU Directive Compliance:

EU Directive 2003/11/EC (BFR)

EU CE Mark:

EU CE Mark

History

Notes:

Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Product Variants

Part Number	Color	Put-Up Type	Length
83719 0021000	RED	Reel	1000 ft
83719 002100	RED	Reel	100 ft
83719 002500	RED	Reel	500 ft

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