



Part Number: 89182

Twinax, (1 pr) 22 AWG (19x34) TC, FFEP/FEP, Foil Shld, CMP

Product Description

One 22 AWG pair stranded (19x34) tinned copper conductors, Teflon® (FFEP) insulation, Duofoil® (100% coverage), Teflon® (FEP) jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
22	19x34	TC - Tinned Copper	0.031 in	1
Total Number of Conductors:				2

Insulation:

Material	Material Trade Name	Nominal Diameter
FFEP - Foam Fluorinated Ethylene Propylene	Teflon®	0.278 in

Color Chart 1:

Number	Color
1	Black & Yellow

Stranding:

Lay Length	Lay Direction	Twists	Diameter
3 in	Left Hand	4 twist/ft	0.278 mm

Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	Duofoil®	100 %	TC - Tinned Copper	22	19x34 mm

Outerjacket 1:

Material	Material Trade Name	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	Teflon®	0.307 in

Electrical Characteristics**Conductor DCR:**

Nominal Conductor DCR	Nominal Outer Shield DCR
14 Ohm/1000ft	6.3 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
8.8 pF/ft	16.5 pF/ft

Impedance:

Nominal Characteristic Impedance
150 Ohm

High Frequency (Nominal/Typical):

Nom. Insertion Loss
0.4 db/100ft
1.2 db/100ft
2.7 db/100ft
4.3 db/100ft
6.2 db/100ft
8.8 db/100ft

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.3 ns/ft	78 %

High Freq:

Frequency [MHz]
1 MHz
10 MHz
50 MHz
100 MHz
200 MHz
400 MHz

Inductance:

Nominal Inductance
0.29 μ H/ft

Voltage:

UL Voltage Rating
300 V RMS (CMP)
150 V RMS (CL2P)

Use

Max Recommended Pulling Tension:	28 lbs
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Safety

C(UL) 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:	3.5 in
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Part Number

Plenum (Y/N):	Yes
Non-Plenum Number:	9182

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)

History

Notes:

Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc. Other Maximum Continuous Currents: 2.9 Amps per conductor @ 25°C

Product Variants

Part Number	Color	Put-Up Type	Length
89182 0085000	GRAY	Reel	5000 ft
89182 0101000	BLACK	Reel	1000 ft
89182 010100	BLACK	Reel	100 ft
89182 0105000	BLACK	Reel	5000 ft
89182 010500	BLACK	Reel	500 ft
89182 0605000	CHROME	Reel	5000 ft

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