



REPRESENTATIVE IMAGE

**Product:** [9182](#)

150Ω Twinax, 1 Pr #22 Str TC, FPE Ins, OA Duofoil®, PVC Jkt, CMX

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## Product Description

Twinax 150Ω, 1 Pair 22AWG (19x34) Tinned Copper, Foam PE Insulation, Overall Duofoil® Shield, PVC Outer Jacket, CMX

## Technical Specifications

### Product Overview

Suitable Applications:	harsh environment, IIoT, factory or process automation, video, audio, data communication, etc.
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### Construction Details

#### Conductor

AWG	Stranding	Nom. Diameter	Material
22	19x34	0.030 in	TC - Tinned Copper

#### Insulation

Material	Color Code	Nom. Diameter
PE - Polyethylene (Foam)	Black & Yellow	0.134 in

#### Outer Shield Material

Layer	Outer Shield Type	Material	Material Trade Name	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%

#### Outer Jacket Material

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.345 in

### Electrical Characteristics

#### Attenuation

Frequency	Nom. Attenuation [dB/100ft]
1 MHz	0.40 dB/100ft
10 MHz	1.20 dB/100ft
50 MHz	2.70 dB/100ft
100 MHz	4.30 dB/100ft
200 MHz	6.20 dB/100ft
400 MHz	8.80 dB/100ft

#### Electricals

Element	Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Cond (Mutual)	Nom. Capacitance Cond-to-Shield	Nom. Impedance
Pair(s)	14.0 Ohm/1000ft	6.3 Ohm/1000ft	8.8 pF/ft	16.5 pF/ft	150 Ohm

#### Voltage

UL Voltage Rating
300 V (CMX)

### Mechanical Characteristics

## Temperature

UL Rating	Operating
60°C	-20°C to +60°C

## Bend Radius

Installation Min.
2.5 in

Bulk Cable Weight:	41 lbs/1000ft
Max. Pull Tension:	28 lbs

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Sunlight Resistance
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	VW-1, FT1
NEC / UL Compliance:	Article 725, Article 800, CL2X, CMX
AWM Compliance:	2668
CEC / C(UL) Compliance:	CMX
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	89182

## Product Notes

Notes:	Cable contains fillers for better electrical performance.
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## History

Update and Revision:	Revision Number: 0.326 Revision Date: 08-25-2020
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