



REPRESENTATIVE IMAGE

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

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

Request Sample

## 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.
------------------------	--

### 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	Nom. Velocity
Pair(s)	14.0 Ohm/1000ft	6.3 Ohm/1000ft	8.8 pF/ft	16.5 pF/ft	150 Ohm	78%

#### 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.
--------	---

## History

Update and Revision:	Revision Number: 0.335 Revision Date: 09-30-2020
----------------------	--

© 2020 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.