



Product: [9207](#)

100Ω Twinax, 1 Pr #20 Str-1c TC/1c BC, PE Jkt, Duofoil®+TC Braid, PVC Jkt, CMG

Product Description

Twinax 100Ω, 1 Pair, 20 AWG (7x28) one tinned copper, one bare copper conductor, polyethylene insulation, polyethylene inner jacket, Duofoil® (100% coverage) + a tinned copper braid shield (85% coverage), PVC outer jacket, CMG

Technical Specifications

Product Overview

Suitable Applications:	Computer, Instrumentation
------------------------	---------------------------

Construction Details

Conductor

Size	Stranding	Nom. Diameter	Material
20 AWG	7x28	0.036 in	TC - Tinned Copper
20 AWG	7x28	0.036 in	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter	Color Code	Notes
PE - Polyethylene	0.083 in (2.1 mm)	Clear	PE on both conductors
PE - Polyethylene	0.236 in (5.99 mm)	Clear	PE over pair

Outer Shield

Layer	Outer Shield Type	Material	Material Trade Name	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
2	Braid	Tinned Copper (TC)		85%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.330 in (8.38 mm)

Overall Cable Diameter (Nominal):	0.330 in (8.38 mm)
-----------------------------------	--------------------

Electrical Characteristics

Attenuation

Frequency	Nom. Attenuation
1 MHz	0.30 dB/100ft
10 MHz	1.20 dB/100ft
50 MHz	2.80 dB/100ft
100 MHz	4.10 dB/100ft
200 MHz	6.40 dB/100ft
400 MHz	10.20 dB/100ft

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Cond (Mutual)	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
9.5 Ohm/1000ft	2.0 Ohm/1000ft (6.6 Ohm/km)	14.5 pF/ft (47.6 pF/m)	23.0 pF/ft (75.5 pF/m)	100 Ohm	66%

Voltage

UL Voltage Rating
300 V (CMG)

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-30°C to +75°C

Bend Radius

Installation Min.
3.5 in (89 mm)

Max. Pull Tension:	112 lbs (50.8 kg)
Bulk Cable Weight:	63 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Aerial - Black only, When supported by messenger wire
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1685 FT4 Loading, FT4
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
NEC / UL Compliance:	CL2, CMG
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	IBM Part No. 7362211
Plenum Number:	89207

History

Update and Revision:	Revision Number: 0.532 Revision Date: 04-29-2024
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
9207 010100	Black	Reel	100 ft	612825225270	
9207 010500	Black	Reel	500 ft	612825225324	C
9207 010U500	Black	UnReel	500 ft	612825225263	
9207 0101000	Black	Reel	1,000 ft	612825225287	C
9207 0101640	Black	Reel	1,640 ft	612825225294	C
9207 0103280	Black	Reel	3,280 ft	612825225317	C
9207 0105000	Black	Reel	5,000 ft	612825225331	C

© 2024 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.