

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: 0.531 Revision Date: 02-15-2024

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

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