



REPRESENTATIVE IMAGE

**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
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**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)
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**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 (31 Ohm/km)	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

Max. Pull Tension:	112 lbs (50.8 kg)
Bulk Cable Weight:	60 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1685 FT4 Loading, FT4, FT4
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)
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: 0.314 Revision Date: 12-15-2021
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### Variants

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

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