



**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**

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

**Insulation**

Material	Color Code	Nom. Diameter	Notes
PE - Polyethylene	Clear	0.083	PE on both conductors
PE - Polyethylene	Clear	0.236	PE over pair

**Inner Jacket Material**

Material
PE - Polyethylene

**Outer Shield Material**

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**

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.330 in

**Electrical Characteristics**

**Attenuation**

Frequency	Nom. Attenuation [dB/100ft]
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. Impedence	Nom. Velocity
9.5 Ohm/1000ft	2.0 Ohm/1000ft	14.5 pF/ft	23.0 pF/ft	100 Ohm	66%

#### Voltage

UL Voltage Rating
300 V (CMG)

## Mechanical Characteristics

#### Temperature

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

#### Bend Radius

Installation Min.
3.5 in

Bulk Cable Weight:	60 lbs/1000ft
Max. Pull Tension:	112 lbs

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	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, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	IBM P/N 7362211
Plenum Number:	89207

## History

Update and Revision:	Revision Number: 0.282 Revision Date: 07-28-2020
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