Belden



# 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-Shield | Nom. Characteristic Impedance | Nom. Velocity of Prop. |
|---|---|---|---|---|
| 9.5 Ohm/1000ft | 2.0 Ohm/1000ft (6.6 Ohm/km) | 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: 0.534 Revision Date: 09-07-2025 |

## 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 |

| | |
| --- | --- |
| Footnote: | C - CRATE REEL PUT-UP. |

© 2025 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.