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1-800-Belden1



## Description:

20 AWG stranded (7x28) one tinned copper conductor, one bare copper conductor, polyethylene insulation, polyethylene inner jacket, Duofoil® (100% coverage) plus a tinned copper braid shield (86% coverage), PVC outer jacket.

## Physical Characteristics (Overall)

### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
1	20	7x28	TC - Tinned Copper	0.9398
			BC - Bare Copper	

### Insulation

Insulation Material:

Insulation Material
PE - Polyethylene

### Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
PE - Polyethylene	5.9944

### Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	85

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

### Overall Cabling

Overall Nominal Diameter: 8.382 mm

### Pair

Pair Color Code Chart:

Number	Color
1	Natural & Natural

## Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +75°C
Bulk Cable Weight:	89.292 Kg/Km
Max. Recommended Pulling Tension:	498.198 N
Min. Bend Radius (Install)/Minor Axis:	88.900 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG, CL2
CEC/C(UL) Specification:	CMG
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Customer Part Number Reference Specification:	IBM P/N 7362211

### Flame Test

UL Flame Test:	UL1685 FT4 Loading
C(UL) Flame Test:	FT4

### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Aerial:	Yes - when supported by a messenger wire

### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	89207

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)  
100

### Nom. Inductance:

Inductance (µH/m)  
0.508555

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)  
47.5745

### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)  
75.463

### Nominal Velocity of Propagation:

VP (%)  
66

### Nominal Delay:

Delay (ns/m)  
5.05274

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)  
31.1695

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)  
5.70894

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.9843
10	3.9372
50	9.1868
100	13.4521
200	20.9984
400	33.4662

**Max. Operating Voltage - UL:**

Voltage
300 V RMS

**Max. Operating Voltage - Non-UL:**

Voltage
600 V RMS

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9207 010U500	152 MT	14.969 KG	BLACK		100 OHM TWINAX
9207 010100	30 MT	3.221 KG	BLACK		100 OHM TWINAX
9207 0101000	305 MT	30.844 KG	BLACK	C	100 OHM TWINAX
9207 0101640	500 MT	50.585 KG	BLACK	C	100 OHM TWINAX
9207 0102000	610 MT	61.689 KG	BLACK	C	100 OHM TWINAX
9207 0103280	1,000 MT	99.682 KG	BLACK	C	100 OHM TWINAX
9207 010500	152 MT	15.649 KG	BLACK	C	100 OHM TWINAX
9207 0105000	1,524 MT	158.758 KG	BLACK	C	100 OHM TWINAX

**Notes:**

C = CRATE REEL PUT-UP.

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- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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