Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

9907 Coax - Coaxial Cable - Thinnet 10Base2 Ethernet

For more Information
please call

1-800-Belden1

General Description:

20 AWG stranded (19x32) .037" tinned copper conductor, foam polyethylene insulation, Duobond® II (100% coverage) plus an overall tinned copper braid shield (93% coverage), PVC jacket.

Usage (Overall)

Suitable Applications:	Thin Ethernet

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	20	19x32	TC - Tinned Copper	0.9398

Total Number of Conductors:	1

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FHDPE - Foam High Density Polyethylene	2.5908

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	93

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter:	4.699 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +80°C
UL Temperature Rating:	60°C (UL AWM Style 1354)
Bulk Cable Weight:	34.229 Kg/Km
Max. Recommended Pulling Tension:	200.169 N
Min. Bend Radius/Minor Axis:	50.800 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL2, CM
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 1354 (30 V 60°C)
EU Directive 2011/65/EU (ROHS II):	Yes

IEEE Specification:	IEEE802.3 10Base2
Other Standards:	ISO8802.3 10Base2
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:	DEC Part No. 17-01248-00
RG Type:	58A/U

Flame Test

UL Flame Test:	UL1685 UL Loading

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	82907, 89907

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)	Tolerance (Ohms)
50	+/- 2

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
83.3374

Nominal Velocity of Propagation:

VP (%)
80

Nominal Delay:

Delay (ns/m)
4.16687

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
28.8728

Maximum Loop Resistance:

Resistance (Ohm/km)
50.0024

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
19.0298

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.41083
10	4.2653
50	9.54771
100	13.7802
200	20.0141
400	29.2009
700	39.7001

900	45.6059
1000	48.5588

Max. Operating Voltage - UL:

Voltage	Description
300 V RMS	
30 V RMS	UL AWM Style 1354

Notes (Overall)

Notes: Tape to bond at overlap area only. Tape is not designed to bond to dielectric core.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9907 E4XU1000	1,000 FT	24.000 LB	GRAY, LIGHT DEC		RG-58 TYPE COAX
9907 E4X1000	1,000 FT	25.000 LB	GRAY, LIGHT DEC	C	RG-58 TYPE COAX
9907 E4X1640	1,640 FT	39.360 LB	GRAY, LIGHT DEC	C	RG-58 TYPE COAX
9907 E4X2500	2,500 FT	60.000 LB	GRAY, LIGHT DEC	C	RG-58 TYPE COAX
9907 E4X3280	3,280 FT	78.720 LB	GRAY, LIGHT DEC	C	RG-58 TYPE COAX
9907 E4X500	500 FT	12.500 LB	GRAY, LIGHT DEC		RG-58 TYPE COAX
9907 E4X5000	5,000 FT	125.000 LB	GRAY, LIGHT DEC		RG-58 TYPE COAX

Notes:
C = CRATE REEL PUT-UP.

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