

9907 Coax - Coaxial Cable - Thinnet 10Base2 Ethernet

 	For more information please call 1-800-Belden1 <u>See Put-ups and Colors</u>
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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.

SUITABLE APPLICATIONS:

Suitable Applications	Thin Ethernet
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PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	58A/U
AWG	20
Stranding	19x32
Conductor Diameter	.037 in.
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	FHDPE - Foam High Density Polyethylene
Insulation Diameter	.102 in.

OUTER SHIELD:

Outer Shield Material Trade Name	Duobond® II
Outer Shield Type	Tape/Braid
Outer Shield Material :	

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

Outer Shield %Coverage	100 %
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OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.185 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +80°C
UL Temperature Rating	60°C (UL AWM Style 1354)
Bulk Cable Weight	22.3 lbs/1000 ft.
Max. Recommended Pulling Tension	45 lbs.
Min. Bend Radius (Install)	1.8 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CM, CL2
CEC/C(UL) Specification	CM
AWM Specification	UL Style 1354 (30 V 60°C)
IEEE Specification	IEEE802.3 10Base2
IEC Specification	ISO8802.3 10Base2
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
Customer Part Number Reference Specification	DEC Part No. 17-01248-00

FLAME TEST:

UL Flame Test	UL1685 UL Loading
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
Plenum Number	82907, 89907

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	50 +/- 2 Ohms
Nom. Capacitance Conductor to Shield	25.4 pF/ft
Nominal Velocity of Propagation	80 %
Nominal Delay	1.27 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	8.8 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg.C	5.8 Ohms/1000 ft
Maximum Loop Resistance	15.24 Ohms/1000 ft
Nom. Attenuation :	

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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.43
	10			1.3
	50			2.91
	100			4.2
	200			6.1
	400			8.9
	700			12.1
	900			13.9
	1000			14.8

Max. Operating Voltage - UL

300 V RMS, 30 V RMS (UL AWM Style 1354)

NOTES:

Notes

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

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9907 E4X1000	RG-58 TYPE COAX	1000	23	GRAY, LIGHT DEC	C
9907 E4X1640	RG-58 TYPE COAX	1640	41	GRAY, LIGHT DEC	C
9907 E4X2500	RG-58 TYPE COAX	2500	62.5	GRAY, LIGHT DEC	C
9907 E4X3280	RG-58 TYPE COAX	3280	82	GRAY, LIGHT DEC	C
9907 E4X500	RG-58 TYPE COAX	500	11.5	GRAY, LIGHT DEC	
9907 E4XU1000	RG-58 TYPE COAX	U1000	24	GRAY, LIGHT DEC	

C = CRATE REEL PUT-UP.

Revision Number: 1

Revision Date: 05-12-2006

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