FULL TECHNICAL SPECS

9907 Coax - Coaxial Computer, Instrumentation and Trunk Cable

Total # Cond.	# Coax
1	1

RG Type	AWG	Stranding	Type	Insulation	Insulation Thickness (in.)	Shield
58A/U	20	(19x32)	TC - Tinned Copper	Foam PE - Foam Polyethylene	.03100	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil/Braid Shield

Jacket	Jacket Thickness (in.)	Nom. Core OD (in.)	Nom. OD (in.)	Nom. Cond. DCR (Ohms/M')	Nom. Imp. (Ohms)	Nom. Vel. Of Prop. (%)	Nom. Cap. (pF/ft)
PVC - Polyvinyl Chloride	.0250	.1020	.1850	8.800	50.0	80.0	25.400

For technical data, click the button below	For available colors, click the button below
Tech Data or call 1-800-BELDEN-1	Put-ups & Colors or call 1-800-BELDEN-1

Description

Coax, 1 coax, 20 AWG, stranded (19x32) TC - Tinned Copper conductors, Foam PE - Foam Polyethylene insulation, Bonded Aluminum Foil-Polyester Tape-Aluminum Foil (Duofoil) shield with 100% shield coverage plus tinned copper Braid shield with 93% shield coverage, PVC - Polyvinyl Chloride jacket, 58A/U RG Type. Applicable Specifications: UL CM, AWM 1354, Cec C(UL) CM, IEEE 802.3 10Base2, IEC/ISO 8802.3 10Base2, DEC P/N 17-01248-00. Flame Resistance: UL 1581 Vertical Tray. Coaxial. Industrial Ethernet Cables. Local Area Network. Industrial Automation & Process Control Cables. 50 Ohm Coaxial Cable for IEEE 802.3 & ISO 8802.3 10 Base 2 (Thin Ethernet) Trunk Cables - Thinnet. Duobond II. For Plenum version, see 89907 or 82907. ETHERNET is a Xerox trademark. DUOBOND is a Belden registered trademark. DUOFOIL is a Belden registered trademark.

Disclaimer: Great effort is made to ensure the accuracy of the information presented, but errors or omissions may occur. This listing of information is presented as a courtesy and does not ensure that a product with these specifications is available. Specification and availability should be confirmed with a call to our sales representative or to Customer Service. Have a question? Call us at 1-800-BELDEN-1 or send us a comment

TECHNICAL DATA

Customer Number • 000001 Customer Name •

To display Technical Data, enter a Product Code and press Go.

Product Code 9907 Go

Example: 9269

Product Search

TECHNICAL DATA

10-04-01 REV. 23

9907

I. DESCRIPTION:

---

50 OHM COAXIAL CABLE FOR IEEE 802.3/ISO 8802.3 10BASE2 (THIN ETHERNET*), RG 58A/U TYPE.

.

II. ELECTRICAL CHARACTERISTICS:

IMPEDANCE:	50 +/- 2 OHMS
NOM. CAPACITANCE:	25.4 PF/FT.
NOM. VELOCITY OF PROPAGATION:	80%
NOM. DELAY:	1.27 NS/FT.

NOMINAL ATTENUATION:

MHZ	DB/100 FT.	MHZ	DB/100 FT.
1	.43	100	4.2
2	.60	200	6.1
5	.90 (0.99 MAX)	400	8.9
10	1.30 (1.40 MAX)	700	12.1
20	2.00	900	13.9
50	2.91	1000	14.8

NOM. SHIELD DCR @ 20 C:	5.8 OHMS/1000 FT.
NOM. CONDUCTOR DCR @ 20 C:	8.8 OHMS/1000 FT.
MAX. DC LOOP RESISTANCE:	15.24 OHMS/1000 FT. (50 MILLIOHMS/METER)
MAX. OPERATING VOLTAGE:	300 V RMS

.

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING:	-40 TO +80 DEG. C
MIN. BENDING RADIUS:	1.8"

MAX. PULLING TENSION:	45 LBS.
NOM. WEIGHT/1000 FT.:	22.3 LBS.
CONDUCTOR MATERIAL & DIA.:	20 AWG (19X32) TINNED COPPER, .037" NOM.
INSULATION MATERIAL & DIA.:	FHDPE, .102" NOM.
SHIELD TYPE AND % COVERAGE:	1ST LAYER-BONDED** ALUM/POLY/ALUM TAPE; 100% 2ND LAYER-TINNED COPPER BRAID; 93%
JACKET MATERIAL & DIA:	PVC (LT. DEC GRAY) .185" NOM.
APPLICABLE SPECIFICATIONS:	UL CM OR AWM 1354 CEC C(UL) CM IEEE 802.3 10BASE2 IEC/ISO 8802.3 10BASE2 DEC P/N 17-01248-00
FLAME RESISTANCE:	UL 1581 VERTICAL TRAY

.

* ETHERNET- XEROX TRADEMARK

** NOTE:TAPE TO BOND AT OVERLAP AREA ONLY. TAPE NOT DESIGNED TO BOND TO DIELECTRIC CORE.