

Technical Data Sheet

129907

I. **DESCRIPTION:**

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

ELECTRICAL CHARACTERISTICS: II.

25.4 PF/FT. NOM. CAPACITANCE: **IMPEDANCE:** 50 + / - 2 OHMS

NOM. VELOCITY OF PROPAGATION: 80%

NOM. DELAY: 1.27 NS/FT.

NOMINAL ATTENUATION:

MHZ	DB/100 FT.	\mathtt{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	3 00	1000	14 8

NOM. CONDUCTOR DCR @ 20 C: 8.8 OHMS/1000 FT. NOM. SHIELD DCR @ 20 C: 5.8 OHMS/1000 FT.

> (50 MILLIOHMS/METER) 15.24 OHMS/1000 FT.

MAX. OPERATING VOLTAGE: 300 V RMS

(50 MILLIOHMS/METER)

III. PHYSICAL CHARACTERISTICS:

MAX. DC LOOP RESISTANCE:

TEMPERATURE RATING: -40 TO +80 DEG. C 45 LBS. ESTIMATED MAX. PULLING TENSION: MIN. BENDING RADIUS: 1.8" ESTIMATED 123 LBS. ESTIMATED NOM. WEIGHT/1000 FT.: CONDUCTOR MATERIAL & DIA.: 20 AWG (19X32) TINNED COPPER

AN INTERLOCKED ALUMINUM ARMOR AND OUTER PVC JACKET ARE

APPLIED OVER THE BELDEN 9907 CORE.

INNER PVC JACKET DIAMETER: .185" ESTIMATED DIAMETER OVER ARMOR: .440" ESTIMATED

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OVERALL DIAMETER: .540" ESTIMATED

APPLICABLE SPECIFICATIONS (CORE): UL TYPE CM OR AWM 1354

CEC C(UL) CM

IEEE 802.3 10BASE2
IEC/ISO 8802.3 10BASE2
DEC P/N 17-01248-00

OVERALL APPICABLE SPECIFICATIONS: CSA C22.2 #214

UL 13

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.

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