

129907

## I. DESCRIPTION:

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

## II. ELECTRICAL CHARACTERISTICS:

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NOM. CAPACITANCE: 25.4 PF/FT.  
IMPEDANCE: 50 +/- 2 OHMS  
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	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)  
  
MAX. DC LOOP RESISTANCE: 15.24 OHMS/1000 FT.  
MAX. OPERATING VOLTAGE: 300 V RMS  
(50 MILLIOHMS/METER)

## III. PHYSICAL CHARACTERISTICS:

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TEMPERATURE RATING: -40 TO +80 DEG. C  
MAX. PULLING TENSION: 45 LBS. ESTIMATED  
MIN. BENDING RADIUS: 1.8" ESTIMATED  
NOM. WEIGHT/1000 FT.: 123 LBS. ESTIMATED  
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



## Technical Data Sheet

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 APPLICABLE 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.