

961-917

07-21-97 REV. 17

1505A

I. DESCRIPTION:

RG-59/U TYPE PRECISION ANALOG AND DIGITAL VIDEO COAX.

II. ELECTRICAL CHARACTERISTICS:

IMPEDANCE: 75 +/- 3 OHMS
 NOM. INDUCTANCE: .107 MICRO-H/FT
 NOM. CAPACITANCE CONDUCTOR
 TO SHIELD: 16.2 PF/FT
 NOM. VELOCITY OF PROPAGATION 83 %
 NOM. DELAY: 1.22 NS/FT
 NOM. CONDUCTOR DC RESISTANCE
 @ 20 DEG. C: 10.1 OHMS/1000 FT.
 NOM. SHIELD DC RESISTANCE
 @ 20 DEG. C: 2.3 OHMS/1000 FT.
 STRUCTURAL RETURN LOSS: 27 DB MIN, 5 - 216 MHZ
 23 DB MIN, 216 - 450 MHZ
 MAX. OPERATING VOLTAGE: 300 VRMS (UL)

NOM. ATTENUATION:

MHZ	DB/100 FT.	MHZ	DB/100 FT.
1	.29	135	2.70
3.58	.55	143	2.80
5	.65	180	3.10
7	.75	270	3.80
10	.87	360	4.40
67.5	2.05	540	5.60
71.5	2.10	720	6.50
100	2.40	1000	7.80

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: - 30 TO + 80 DEG. C
 MIN. BEND RADIUS: 2.5 "
 MAX. PULLING TENSION: 72 LBS.
 NOM. WEIGHT/1000 FT: 31 LBS.
 CONDUCTOR MATERIAL & DIA: 20 AWG SOLID BARE COPPER
 .032" NOM.
 INSULATION MATERIAL & DIA: GAS INJECTED FOAM HIGH
 DENSITY POLYETHYLENE
 .145" NOM.
 SHIELD TYPE & % COVERAGE: 1ST LAYER - DUOFOIL(R)
 100%
 2ND LAYER - TINNED COPPER
 BRAID
 95%
 JACKET MATERIAL & DIA: PVC
 .235" NOM.
 JACKET COLORS: BROWN, RED, ORANGE,
 YELLOW, GREEN, BLUE,
 VIOLET, GRAY, WHITE,
 BLACK

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APPLICABLE SPECIFICATIONS:

UL/NEC: CMR

CEC C(UL) CMR

FLAME RESISTANCE:

UL: 1666 VERTICAL SHAFT

CSA FT4

USE: BLACK SUITABLE FOR INDOOR AND OUTDOOR AERIAL
APPLICATIONS. OTHER COLORS SUITABLE FOR INDOOR
USE ONLY.

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END OF DATA FOR PRODUCT - 1505A

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