

1828D

I. DESCRIPTION:

SERIES 6, 18 AWG SOLID BARE COPPER COVERED
STEEL CONDUCTOR, FOAM POLYETHYLENE INSULATION,
DUOBOND(R) II + ALUMINUM BRAID SHIELD, PVC JACKET.

II. ELECTRICAL CHARACTERISTICS:

NOM. IMPEDANCE: 75 OHMS
NOM. INDUCTANCE: .097 MICRO-H/FT
NOM. CAPACITANCE
CONDUCTOR TO SHIELD: 16.2 PF/FT
NOM. VELOCITY OF PROPAGATION: 83%
NOM. DELAY: 1.2 NS/FT
ATTENUATION:

NOMINAL		MAXIMUM	
MHZ	DB/100'	MHZ	DB/100'
5	0.5	5	0.67
55	1.4	55	1.60
211	2.6	211	2.87
500	4.1	500	4.48
750	5.1	750	5.59
862	5.5	862	5.98
1000	6.0	1000	6.54
1450	7.8	1450	8.00
1800	8.6	1800	8.80
2250	9.8	2250	10.00
3000	11.3	3000	11.90

MIN. STRUCTURAL RETURN LOSS: 950-2250 MHZ, 15 DB MIN.
2250-3000 MHZ, 10 DB MIN.

MAX. OPERATING VOLTAGE: 300 V RMS

NOM. CONDUCTOR DC RESISTANCE
@ 20 DEG C: 28.0 OHMS/1000'

NOM. SHIELD DC RESISTANCE
@ 20 DEG C: 9 OHMS/1000'

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: -40 TO +80 DEG C
NOM. WEIGHT/1000': 30 LBS
MIN. BENDING RADIUS: 3.0"
MAX. PULLING TENSION: 126 LBS

CONDUCTOR MATERIAL & DIA:	18 AWG SOLID BARE COPPER COVERED STEEL, .040"
DIELECTRIC MATERIAL & DIA:	GAS INJECTED FOAM POLYETHYLENE, .180"
SHIELD TYPE:	1ST LAYER-BONDED DUOFOIL(R) 2ND LAYER-60% ALUM BRAID
JACKET MATERIAL & DIA:	PVC .270"