



Technical
Data Sheet

08-10-10 REV. 0

179DTNH

I. DESCRIPTION:

#28 AWG MINI DIGITRUCK(TM) PRECISION DIGITAL VIDEO
COAXIAL CABLE, FLAME RETARDANT NON-HAL PE

II. ELECTRICAL CHARACTERISTICS:

IMPEDANCE (*): 75 +/- 3 OHMS
NOM. INDUCTANCE: .106 MICRO-H/FT.
NOM. CAPACITANCE CONDUCTOR
TO SHIELD: 17.4 PF/FT.
NOM. VELOCITY OF PROPAGATION: 77%
NOM. DELAY: 1.32 NS/FT.
NOM. CONDUCTOR DC RESISTANCE
@ 20 DEG. C: 108 OHMS/1000 FT.
NOM. SHIELD DC RESISTANCE
@ 20 DEG. C: 8.9 OHMS/1000 FT.
RETURN LOSS (**): 23DB MIN., 5-1600 MHZ
21DB MIN., 1600-4500 MHZ
MAX. OPERATING VOLTAGE: 300 VRMS (UL)
NOM. ATTENUATION:

MHZ	DB/100'	MHZ	DB/100'
1	1.18	180	8.93
5	1.85	270	10.8
6	1.99	360	12.5
7	2.15	540	15.4
10	2.39	720	17.9
12	3.83	750	18.3
67.5	5.89	1000	21.3
71.5	5.98	1500	26.3
88.5	6.61	2000	30.8
100	6.89	2250	32.8
135	7.85	3000	38.3
143	8.07	4500	47.5

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: - 20 TO +75 DEG. C
MIN. BEND RADIUS: 0.5"
CALCULATED BREAK STRENGTH
CONDUCTOR: 3.75 LBS
SHIELD: 34.5 LBS
MAX. PULLING TENSION: 15 LBS.
NOM. WEIGHT/1000 FT: 7.3 LBS.
CONDUCTOR MATERIAL & DIA: #28.5 SOLID BARE COPPER



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DIELECTRIC MATERIAL & DIA:	.0122" NOMINAL GAS INJECTED FOAM HIGH DENSITY PE, .056" NOM.
SHIELD TYPE & COVERAGE:	1ST - DUOFOIL(R) (***) TAPE; 100% 2ND - TINNED COPPER BRAID; 95%
JACKET MATERIAL & DIA: APPLICABLE SPECIFICATIONS:	HALLOARREST .106" NOMINAL UL/NEC: CMR OR CMG C(UL) CMG
FLAME RESISTANCE:	UL 1666, CSA FT4