

DS-3/4 Interconnect and Cross Connect 75 Ohm Coaxial Cable

Catalog # 735 Non-Plenum Series
NEC/CEC: CMR (UL) c(UL)



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CABLE CONSTRUCTION CHART:

Part Number	# Cond./Tracer	Jkt Nom. Wall (in.)	Jkt. Nom OD (in.)
73501	1/0	.013"	.127
735T1	1/1	.013"	.127H x .222W
73502	2/0	.028"	.186H x .313W
73542	2/1	.028"	.186H x .316W
735Z2	2/0	.013"	.127H x .265W
735ZT2	2/1	.013"	.127H x .358W
735T2	2/1	.025"	.186H x .400W
73503	3/0	.022"	.325
73506	6/0	.022"	.424
73508	8/0	.022"	.490
73509	9/0	.022"	.534
73512	12/0	.022"	.560
73516	16/0	.022"	.640
73524	24/0	.022"	.810

ELECTRICAL PROPERTIES:

SPARKER TEST: 2000 VAC (73501/T1/Z2) & 6000 VAC (73502-73524)
DIELECTRIC STRENGTH: Conductor to Shield: 3 Sec. @ 2500 VDC
 Shield to Shield: 1200 VDC
CAPACITANCE: 18.0 pF/ft. +/- .2
IMPEDANCE: 75.0 +/- 3.0 Ohms
VELOCITY OF PROPAGATION: 78% Nom.
DCR:
 Conductor: 42.2 Ohms/1000 ft.
SRL: 30 dB Min. (15 - 90 MHz) 100% Swept Tested

MECHANICAL PROPERTIES:

MINIMUM BEND TEST:
 Loaded: 20 times cable OD
 Unloaded: 10 times cable OD
JACKET TEMP. RATING:
 Temp: 75°C

ATTENUATION:

dB/100 Ft. (Nom.)	@ Frequency MHz
.50 dB	1 MHz
.51 dB	1.024 MHz (CEPT-1)
1.00 dB	4.224 MHz (CEPT-2)
1.08 dB	5 MHz
1.49 dB	10 MHz
1.94 dB	17.184 MHz (CEPT-3)
2.22 dB	22.368 MHz (DS-3)
2.39 dB	25.920 MHz (STS-1)
3.35 dB	50 MHz
3.95 dB	69.632 MHz (CEPT-4)
4.18 dB	77.760 MHz (STS-3)
4.75 dB	100 MHz
5.58 dB	137.088 MHz (DS-4)
6.79 dB	200 MHz



*Meets or exceeds GR-139-CORE

Drawings not to Scale
 Specifications subject to change
 Revision: 06/05/07