

HD300 HDTV and Serial Digital Video Cable 75 Ohm Sub-Miniature

Event[®] install



Application

Miniature coaxial 75 ohm cable specifically for "digital truck" wiring.

Cable Design

Conductor	Solid bare copper wire : 1 x 0,30 mm
Insulation/Dielectric	Foam HDPE
Screen	Aluminium/Polyester/Aluminium
Shield	Tinned copper braid, 95% coverage
Outer Jacket.....	LSZH FireFighter [®] IEC 60332-1
Colour	See specification table

Characteristics

- Most commonly used to control stage lighting and effects
- Flame Retardant acc. to IEC 60332-1
- Halogen Free acc. to IEC 60754
- Smoke Density acc. to IEC 61034



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Electrical Data

Characteristic Impedance	75 ± 1 Ω
Nom. Inductance	0,34 µH/m
Nom. Capacitance (cond-shield)	57 pF/m
Nom. Velocity of Propagation	77 %
Nom. Delay	4,33 ns/m
Nom. Conductor DC Resistance	231,1 Ohm/km at 20 °C
Nom. Outer Shield DC Resistance	26,2 Ohm/km at 20 °C

Frequency	Attenuation	Frequency	Attenuation
1 MHz	3,8 dB/100m	180 MHz	29,2 dB/100m
5 MHz	6,0 dB/100m	270 MHz	35,4 dB/100m
6 MHz	6,5 dB/100m	360 MHz	41,0 dB/100m
7 MHz	7,0 dB/100m	540 MHz	50,2 dB/100m
10 MHz	7,8 dB/100m	720 MHz	58,7 dB/100m
12 MHz	12,5 dB/100m	750 MHz	60,0 dB/100m
67,5 MHz	19,3 dB/100m	1000 MHz	69,8 dB/100m
71,5 MHz	19,6 dB/100m	1500 MHz	86,2 dB/100m
88,5 MHz	21,6 dB/100m	2000 MHz	101,5 dB/100m
100 MHz	22,6 dB/100m	2250 MHz	107,6 dB/100m
135 MHz	25,7 dB/100m	3000 MHz	125,6 dB/100m
143 MHz	26,4 dB/100m	4500 MHz	155,8 dB/100m

Specification

Cross Section	Part Number	Overall Diameter [mm]	Colour
	HD300-01	2,54	Black