



Product Data Sheet

BELDEN 7731ANH HD Video Cable LSOH

Description



Green per 500 meter drum

AB-05-016

HD video cable manufactured by Belden primarily used for medium to long run HDTV circuits in machine room installations.

Attenuation

MHz	dB/100m
1 MHz	0.53
5 MHz	1.11
10 MHz	1.50
135 MHz	4.82
180 MHz	5.55
270 MHz	6.85

MHz	dB/100m
360 MHz	8.04
750 MHz	12.00
1500 MHz	18.05
2250 MHz	22.64
3000 MHz	26.90
4500 MHz	34.12



Product Data Sheet

BELDEN 7731ANH HD Video Cable LSOH

Product Data

Inner conductor	Inner conductor Solid bare copper wire, diameter 1.63mm
Insulation	High Density-PE, diameter 7.11mm
Outer conductor	Duofoil 100% under tinned copper braid 95%
Sheath	LSOH, diameter 10.16mm
Sheath colour	Green, other colours available on request
Cable Weight	149kg/km
Minimum Bending Radius	102mm

Data rate	270Mbps	360Mbps	540Mbps	1.5Gbps	3Gbps
Frequency	135mhz	180mhz	270mhz	720mhz	1.5Ghz
Application	Component	Video	Component	1080i	1080p
Distance (m)	622	536	308	232	110

The previous table shows calculated transmission distances according to SMPTE standards and actual test results achieved under controlled laboratory conditions with the cable run between the signal generator and the WFM.

We recommend that you always conduct your own test as the defining element in the system is the kit being used. However, if you need to assume a distance prior to testing please use the calculated figures and apply sufficient headroom.



Product Data Sheet

BELDEN 7731ANH HD Video Cable LSOH

Electrical Properties

Electrical properties at 20 °C			
Nominal impedance		Ω	75
Nominal Capacitance		pF/m	52.50
Nominal Inductance		μ H/m	0.318
Velocity		%	85
DC Resistance	Centre Conductor	Ω /km	8.20
	Shield		4.92
Return loss	5-1600 MHz		23dB
	1600-4500 MHz		21dB