



Product Data Sheet

BELDEN 1505ANH HD Video Cable LSOH

Description



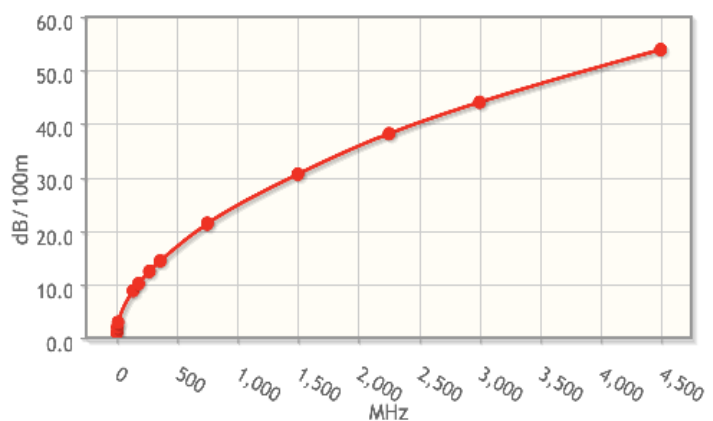
HD video cable manufactured by Belden primarily used for rack wiring and short to medium run HDTV circuits in machine room installations

This cable is primarily used for longer inter-area runs.

1505ENH Green 500m Drum	AB-05-002
1505ENH Violet 500m Drum	AB-07-004
1505ENH Cream 500m Drum	AB-07-005

Attenuation

MHz	dB/100m
270	12.46
360	14.44
750	21.33
1500	30.51
3000	43.97
4500	53.81





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Inner Conductor	Solid copper wire, bare, diameter
Insulation	Foam-PE, diameter 3.68 mm
Outer Conductor	Duofoil under tinned copper braid 95%
Sheath Construction	LSOH, diameter 5.92 mm
Sheath Colour	Green, Violet and Cream
Cable Weight	47kg/km
Minimum Bending Radius	63.5mm

	NTSC	PAL	Composite	Widescreen	1080i	1080p
SMPTE Standard	259m		259m	259m	292m	424m
Data Rate Mb/s	143	177	270	360	1500	2970
Calculated Distance (m)	436	415	338	296	94	67
Tested Distance (m)					120	

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.



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Electrical Properties

Electrical properties at 20 °C

Characteristic impedance (Ω)	75 \pm 1.0	
Screening Factor	dB	\geq 90
Velocity	%	83
DC Resistance W/km	Inner Conductor	32.81
	Outer Conductor	12.47
Return loss	5 - 1600 MHz	23
	1600 - 4500 MHz	21
Capacitance	pF/m	53.48