



Product Data Sheet

BELDEN 1855ENH HD Video Cable LSOH

Description



Small profile HD video cable manufactured by Belden primarily used for short run HDTV circuits in machine rack installations.

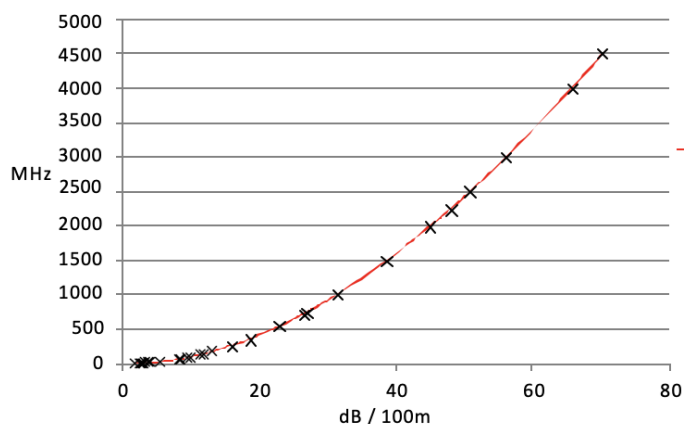
This cable was designed to assist in the migration from the existing 1080i SDI format to the 1080p format, protocols and equipment, which require twice the bandwidth of the earlier specifications.

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

Violet 500 Meter Drum	AB-07-1015
Green 500 Meter Drum	AB-07-1015
Turquoise 500 Meter Drum	AB-11-1015
Cream 500 Meter Drum	AB-10-1015
Grey 500 Meter Drum	AB-08-1015
Yellow 500 Meter Drum	AB-04-1015
Orange 500 Meter Drum	AB-03-1015

Attenuation

MHz	dB/100m
360	18.6
750	26.9
1500	38.7
3000	56.1
4500	70.2





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Inner Conductor	Solid copper wire, bare, diameter 0.64 mm (± 0.02)
Insulation	Foam-PE, diameter 2.9 mm (± 0.15)
Outer Conductor	Duofoil 100% under tinned copper braid 90% ($\pm 5\%$)
Sheath Construction	LSOH diameter 4.45 mm (± 0.20)
Sheath Colour	Violet, Green, Turquoise, Cream, Grey, Yellow, Orange, Black

	NTSC	PAL	Composite	Widescreen	1080i	1080p
Data Rate Mb/s	143	177	270	360	1500	2970
Tested Distance (m)	-	-	261m	-	87m	58m

Electrical properties at 20 °C

Characteristic impedance (Ω)	75 \pm 3.0	
Screening Factor	dB	≥ 85 (30-3000 MHz)
≥ 80 (3000-4500 MHz)		
Velocity	%	84 ($\pm 0.02\%$)
DC Resistance W/km	Inner Conductor	55.0
	Outer Conductor	17.0
Return loss	5 - 1600 MHz	23
	1600 - 4500 MHz	21
Transfer Impedance	5-30 MHz	≤ 15 mOhm/m
Capacitance	pF/m	53.00