



HD-SDI - digital video cable V08/37H - 0.8/3.7 AF - FRNC Eca

- digital + analog video
- double shielding (100% foil + 90% braid)
- flame retardant and non corrosive (FRNC)
- not suitable for mobile HD-SDI use
- CPR class Eca acc. to EN50575

FRNC

UHD

6GSDI

Eca

A cable designed to meet rigorous standards for transmission of analogue and digital video data and used for installations with medium transmission distances. The polished solid copper core has a diameter of 0.80 mm. Typical transmission distances under SMPTE standards are 340 metres for SDI video signals, 90 metres for 1.5-Gb/s HD-SDI signals and 59 metres for 3 Gb/s signals. However, in practice longer distances may well be possible depending on the devices used. The core is enclosed in a physically foamed PE dielectric medium, and the cable features double shielding comprising a AL double composite layer and an ultra-densely woven copper shield providing over 95 per cent screening. The outer jacket is of flame-retardant halogen-free FRNC.

construction

inner conductor	solid bare copper wire, Ø 0.80 mm
insulation	Foam-Skin PE, gas injected, Ø 3.7 mm
shielding	AL/PET/AL double-layer foil + tinned copper braid (95% coverage)
outer jacket	FRNC
overall diameter	6.0 mm

mechanics

working temperature	-30°C / +70°C
min. bending radius	35 mm

electric

characteristic impedance	75 Ω ± 1%
capacity	55 pF/m
velocity of propagation	81 %
DC resistance	
inner conductor	35 Ω/km
outer conductor	8 Ω/km
screening attenuation	> 90 dB
attenuation [dB/100m]	
1 MHz	0.9
5 MHz	2.1
10 MHz	3.0
100 MHz	8.4
200 MHz	11.6
500 MHz	18.7
1000 MHz	27.1
1500 MHz	33.8
return loss	
30 - 300 MHz	> 30 dB
300 - 900 MHz	> 22 dB
900 - 2150 MHz	> 19 dB

order code	colour	weight kg/m	standard lengths m
VD083SH-E	green	0,048	50 / 100 / 200 / 300 / 500

technical specifications are subject to change