



HD-SDI - digital video cable - 0.6/2.8 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
- further development of V0628H

Eca

FRNC

UHD

6GSDI

This cable is designed for transmitting both digital and analogue video signals and is used for both rack applications and installations. The polished solid copper core has a diameter of 0.60 mm and is enclosed in a physically foamed PE dielectric medium that ensures signal transmission with no return loss and ultra-low attenuation. Typical transmission distances under SMPTE standards are 255 metres for SDI video signals, 65 metres for 1.5 Gb/s HD-SDI signals and 47 metres for 3 Gb/s signals. However, in practice longer distances may well be possible depending on the devices used. Effective protection against electromagnetic interference is offered by double shielding comprising an AL double composite layer and an ultradensely woven copper shield providing over 92 per cent screening. The outer jacket is of FRNC material, which is flame-retardant and completely halogen-free – a vital advantage for installations.

construction

inner conductor	solid bare copper, Ø 0.60 mm
insulation	Foam-Skin PE, gas injected, Ø 2.8 mm
shielding	AL/PET/AL double-layer foil + tinned copper braid (92% coverage)
outer jacket	FRNC
overall diameter	4.5 mm

mechanics

working temperature	-30°C / +70°C
min. bending radius	25 mm

electric

characteristic impedance	75 Ω ± 1%
capacity	58 pF/m
velocity of propagation	81 %
screening attenuation	> 90 dB
attenuation [dB/100m]	
1 MHz	1.2
5 MHz	2.7
10 MHz	3.8
100 MHz	10.8
135 MHz	12.4
200 MHz	15.0
270 MHz	17.5
500 MHz	24.2
1000 MHz	34.7
return loss	
30 - 300 MHz	> 25 dB
300 - 900 MHz	> 22 dB
900 - 2150 MHz	> 19 dB

order code	colour	weight kg/m	standard lengths m
VD062SH-E	green	0,029	50 / 100 / 200 / 300

technical specifications are subject to change