

**HD-SDI - multichannel video cable****3 x 0.6/2.8 AF - FRNC - Eca**

- analog, high resolution RGB or 3 x digital video
- double shielding (100% foil + 90% braid)
- not suitable for mobile HD-SDI use
- flame retardant and non corrosive (FRNC)
- CPR class Eca acc. to EN50575

FRNC

Eca

UHD

12GSDI

This multichannel video cable is used for analog and digital colour signal transmission in data and TV studio technology. The colour signals red, green and blue and - if required - synchronisation signals can be transmitted via a single video cable from our multichannel range. The FRNC version with improved fire-resistant qualities is flame retardant and halogen-free.

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)
element jacket	LSZH, Ø 4.5 mm
colours of elements	red, green, blue
twisting	3 elements around a central filler
outer jacket	FRNC, black

mechanics

min. bending radius	10x overall diameter
flame retardancy	acc. to IEC 60332-1
halogen-free	acc. to IEC 60754-2

electric

characteristic impedance	75 Ω ± 1%
capacity	58 pF/m
velocity of propagation	81 %
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
750 MHz	29.6
1000 MHz	34.7
1500 MHz	42.6
3000 MHz	61.7
return loss	
30 - 300 MHz	> 25 dB
300 - 1500 MHz	> 23 dB
1500 - 3000 MHz	> 21 dB

order code	outer jacket	outer Ø mm	heat of combustion kWh/km	cable color	weight kg/m	standard lengths m
VD3062SH-E	FRNC	12.0	3260	black	0.16	25 / 50 / 100 / 200 / 300

technical specifications are subject to change