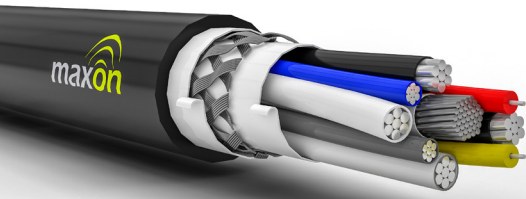


HYBRID CAMERA CABLE



HALOGEN FREE

4K-8K

UHD

MxH 311D9 SMPTE FRNC

CONSTRUCTION DATA

Element 1	Auxiliary Conductors	4 x 0,75 mm ² (18 AWG)
	Inner conductor	24 x 0.19 mmø Stran.Tin. Cop.
	Insulation	1,50 mmø, Solid HDPE
Element 2	Core identification	2 x Black, 2 x White
	Signal Conductors	2x0,22 mm ² (24 AWG)
	Insulation	1,20 mmø, Solid HDPE
Element 3	Core identification	1 x Red, 1 x Grey
	Fibre Optic	2 x 9/125µ Single-Mode G.657.A2
	Mode Field Diameter	9.0 µm ± 1 µm
Element 4	Cladding diameter	125 µm ± 1 µm
	Coating material	Acrylate, Diameter 245 µm
	Buffer material	Thermoplastic, Od:0.9 µm ± 0.05 µm
Element 5	Identification	1 x Blue, 1x Yellow
	Central Element	19x0,30mm Steel stranded wire
	Insulation	2.1 mmø ;HDPE
Element 6	Identification	White
	Cable Core	5,5 mmø,Non Woven tape
	Screen	Tinned Copper Braiding % 95
Element 7	Sheath	9.2 mmø FRNC Compound

ELECTRICAL DATA

	Auxiliary Conductors	Signal Conductors	Overall screen
DC resistance	≤ 35.3 Ω/km	≤ 97.5 Ω/km	≤ 20 Ω/km
Loop resistance	≤ 43 Ω/km	≤ 184 Ω/km	
Insulation Resistance	10 GΩ x km	10 GΩ x km	
Test voltage	1.75 KVAC	1.75 KVAC	
Operating voltage	≤ 300 VAC	≤ 300 VAC	

OPTICAL DATA

Cut-off wavelength	1100 – 1350 nm
Attenuation at 1310 nm (max.)	0,42 dB/km
Attenuation at 1550 nm (max.)	0,28 dB/km

MECHANICAL DATA

Minimum bending radius	12 x D (D= outer diameter)
Temperature range	Mobile installation - 5° C to + 70° C
	Fixed installation -30° C to +70° C

APPLICATION

This rugged, extremely durable composite cable complies with the SMPTE 311 standard and was designed for use with professional HD cameras. It is used in professional video productions for simultaneous transmission of energy, video, audio and control signals and is intended to inter-connect Camera Units and Base Stations in conjunction with the Connector Interface Standard. It is suitable for all new digital camera systems of well-known manufacturers. The Low Smoke Zero Halogen sheath makes it ideal for use in public buildings where Low Smoke Zero Halogen is specified.

ISO9001
CERTIFIED

RoHS
COMPLIANT

CE

INSTALLATION
STUDIO

maxon
AUDIO & VIDEO CABLE