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NOVACORD HFO311-FMA-30MR

AWG17
Auxiliary
conductors

2 x power
conductors

AWG24
Signal
conductors

2 x Signal
conductors

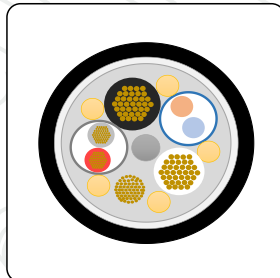
9/125 μ
Fiber
optics

2 x optical
fiber



Hybrid Fiber Optic HDTV Camera Cable Assembling used in professional video productions for simultaneous transmission of energy, video, audio and control signals and is intended to interconnect Camera Units and Base Stations in conjunction with the connectors Interface Standard. The assembly HFO311 consists of a cable SMPTE 311M-Standard 2SM 9/125 + 2 x AWG17 + 2 x AWG24 (Single-Mode Optical Fibres, Auxiliary- and Signal Conductors) and hybrid connectors FMA/FFA (compatible with Lemo connectors SMPTE 304M FUW-PUW). The solution includes different length options and two delivery options - box or metal reel.

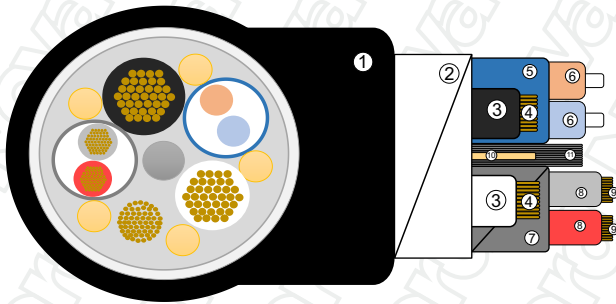
Accessories



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Hybrid HDTV Camera Cable Assembling 3K93C Series, 30 m



- 1 - Jacket
- 2 - White tape
- 3 - Insulation (P)
- 4 - Power conductor
- 5 - Armored tube
- 6 - Tight Buffer
- 7 - Screen
- 8 - Insulation (S)
- 9 - Signal conductor
- 10 - Kevlar fillers
- 11 - Central cord

Structure

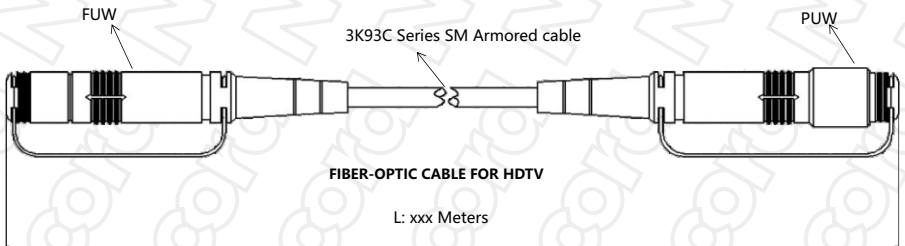
Power Line	Conductor	Material	OFC
		Structure	Standed
		Stranded OD	2x1.0 mm ²
	Insulation	Color	White / Black
		Average thickness	0.2 mm
Signal line	Conductor	Material	OFC
		Structure	Standed
		Stranded OD	2x0.3 mm ²
	Insulation	Discern	Red/Grey
		Average thickness	0.2 mm
Screen	Material	Aluminum foil + Drain wire, covering 100%	
Optical Fiber	Type	Dual-core single-mode quartz fiber G657	
	Mode field diameter	9.5+/-1μ m	
	Core diameter	125+/-3μ m	
	Partialore	<1μ m	
	Cut-off wavelength	1.10-1.35μ m	
	Tight Buffer OD	0.6 mm	

Hybrid HDTV Camera Cable Assembling 3K93C Series, 30 m

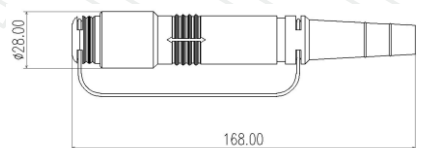
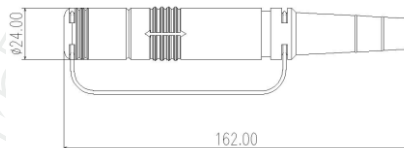
Structure

Cabling	Wire core strand	Wirecore arrangement	Product structure drawing
		Strand OD	4.7 mm
	Taped covering	Material	Non-woven fabric
		Thickness	0.03 mm
		Wrap OD	4.8 mm
Outer Sheath	Extrude outer sheath	Material	PVC
		Color	Black
		Average thickness	0.7 mm
		Thinnest point thickness	0.5 mm
		Cable OD	9.2±0.2 mm

Connectors



Connectors dimension



Hybrid HDTV Camera Cable Assembling 3K93C Series, 30 m

Mechanical properties

Temperature range	-40°C to +85°C
Insertion loss (single fiber)	≤ 0.6dB
Bending radius	92 mm / 10xD (outer diameter)
IP Grade	IP 67

Standarts

Flame resistance	IEC 60332-1-2
Corrosivity	IEC 60754-2

Reel

Structure



Size	300x365x242 mm
Material	Metal
Main reel's diameter	300 mm
Aixs's diameter	178 mm
Main reel's width	240 mm
Weight	4 kg
Color	Black

Technical data

Article	Delivery length	Dimention	Weight
HFO311-FMA-30MR	30 m	300x365x242 mm	15.5 kg

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