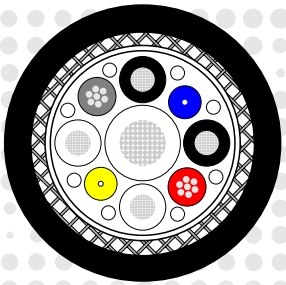
Novacord

SMPTE 311M-HD-HYBRID-CAMERA CABLE FRNC-C

IEC 60332-3-24 | **AWG20** Auxiliary conductors | **AWG24** Signal conductors | **9/125µ** Fiber optics | **AWG16** Strength member

Hybrid HD Camera Cable 2SM 9/125 + 4 x AWG20 + 2 x AWG24 acc. to SMPTE 311M-Standard contains Single-Mode Optical Fibres, Auxiliary- and Signal Conductors. It is 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 conjunctionwith the Connector Interface Standard

HIGHEST QUALITY - RELIABILITY - INNOVATION



Hybrid HD Camera Cable 2SM 9/125 + 4xAWG20 + 2xAWG24 acc. to SMPTE 311M-Standard

Structure

Power Line			4×0.5+2B6+2×0.18
	Conductor	Material	Tinned Copper Wire
		Structure	19/0.2±0.01 mm
		Stranded OD	1.0 mm
	Insulation	Discern	White / Black
		Average thickness	0.2 mm
		Cable diameter	1.5 ± 0.1 mm
Signal line	Conductor	Material	Tinned Copper Wire
		Structure	7/0.2 ±0.01 mm
		Stranded OD	0.6 mm
	Insulation	Discern	Red/Grey
		Average thickness	0.2 mm
		Cable diameter	1.0± 0.1 mm
Optical Fiber	Type		Dual-core single-mode quartz fiber G657
	Mode field diameter		9.5+/-1µm
	Core diameter		125+/-3µm
	Partialore		<1µ m
	Cut-off wavelength		1.10-1.35µm
	Tight package OD		0.9 mm
	Atenuatio characteristic		≤0.5dB/km(1.3µm)
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

Hybrid HD Camera Cable 2SM 9/125 + 4xAWG20 + 2xAWG24 acc. to SMPTE 311M-Standard

Structure

Shield	Braid shield	Tinned copper braid	0.1 mm
		Weave density	≥ 90%
		Outer Diameter	5.5 mm
Outer Sheath	Extrude outer sheath	Material	FRNC-C (IEC60332-3-24)
		Color	Black
		Average thickness	0.7 mm
		Thinnest point thickness	0.5 mm
		Cable OD	9.2±0.2 mm
		Print	NOVACORD SMPTE 311M-HD-HYBRID-CAMERA CABLE FRNC-C + date + meter mark

Electrical properties

20°C

Auxiliary Conductors AWG20 (4 x 0.6 mm²)		
DC resistance		≤ 35.3 Ω/km
Loop resistance		≤ 70.6 Ω/km
Insulation resistance		≤ 10*4 MΩ/km
Test voltage	1750 V	1750 V AC rms
Operation voltage	1750 V	≤ 300 V AC rms
Signal Conductors AWG24 (2 x 0.22 mm²)		
DC resistance		≤ 97.5 Ω/km
Loop resistance		≤ 184 Ω/km
Insulation resistance		≤ 10*4 MΩ/km
Test voltage	1750 V	1750 V AC rms
Operation voltage	1750 V	≤ 300 V AC rms
Overall screen		
DC resistance		≤ 20 Ω/km

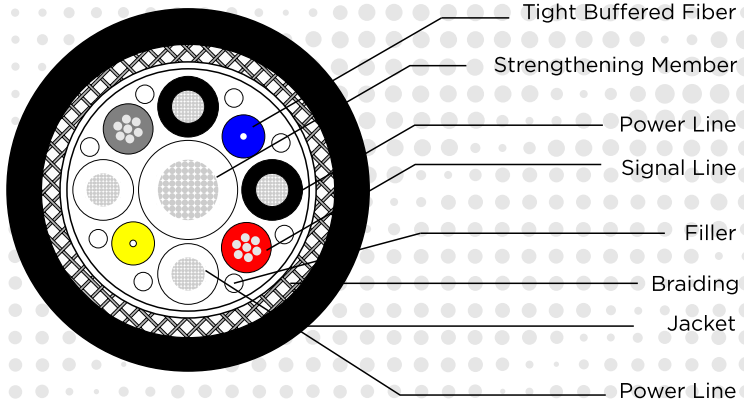
Optical properties

Fibre Optic Single Mode (2 x 9/125µ)		
Cutt-off wavelength		1100 - 1350 nm
Attanuation	at 1310 nm	0.5 dB
Dispersion	at 1310 nm	3.5 ps/nm*km

Mechanical properties

Fibre Optic Single Mode (2 x 9/125µ)		
Temperature range		-25°C to +70°C
Max. humidity		95 %

Structure



Technical data

Article	Delivery length	Drum size	Weight
1000DW	1000 m		