

Hybrid HD Camera Cable

Ref. 0535 PUR/Armoured FO311M · PUR jacket with SUS armour

PUR JACKET

PRODUCT CLAIM

«Mission-critical connectivity, from design to deployment.»

Cable designed for camera applications that combine single-mode optical fibre with control and signal conductors. Used in professional video production for the simultaneous transmission of video, audio and control signals between the OB van and the base station. Abrasion-resistant PUR jacket and spiral stainless-steel (SUS) armour provide maximum mechanical protection in demanding production environments.

Key Advantages

- Simultaneous transmission of video, audio and control in a single hybrid cable
- High-quality single-mode optical fibre (9.3/125 µm)
- Abrasion-resistant PUR jacket
- Spiral stainless-steel (SUS) armour: maximum mechanical protection
- Minimum bend radius: 7 × outer Ø



Highlighted Composition

2

SINGLE-MODE FIBRES

4

POWER CABLES

2

CONTROL CABLES

Ø 9.20 mm

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Construction and Technical Data

Hybrid HD Camera Cable · Construction and Technical Data

Construction

Component	Qty.	Detail
2 single-mode fibres	×2	Core 9.3 µm · cladding 125 µm (IEC 793-2) · aramid yarn filler · PVC jacket 1.50 mm
Power cables	×4	CuSn conductor, 19×0.20 mm Ø (UNE 21-064) · HDPE insulation, Ø 1.50 mm
Control cables	×2	CuSn conductor, 7×0.20 mm Ø (UNE 21-064) · HDPE insulation, Ø 1.10 mm
CW twisted pair (4 cond.)	×1	CW conductor · PE insulation, Ø 2.10 mm
Armour	—	Stainless steel (SUS), spiral-wound
Overall jacket	—	PUR, Ø 9.20 mm



Single-Mode Optical Fibre

Parameter	Value
Refractive index 1310/1550 nm	≈ 1.467
Zero dispersion slope	≤ 0.093
Zero-dispersion wavelength (λ)	1300–1324 nm
Numerical aperture	0.13
Attenuation 1310 nm	≤ 0.40 dB/km
Attenuation 1550 nm	≤ 0.25 dB/km

Power Cable

Parameter	Value
Impedance @ 1kHz	33.4587 Ω/km
Cond-cond & shield cap. @ 1kHz	262.135 pF/m
Shield resist. DC	58.0563 Ω/km
Cond-cond cap. @ 1kHz	147.512 pF/m
Live conductor resist. DC	35.0098 Ω/km
Live conductor inductance @ 1MHz	0.266221 µH/m

Control Cable

Parameter	Value
Impedance @ 1kHz	81.9503 Ω/km
Cond-cond & shield cap. @ 1kHz	64.9947 pF/m
Shield resist. DC	18.4575 Ω/km
Cond-cond cap. @ 1kHz	37.6364 pF/m
Live conductor resist. DC	81.9284 Ω/km
Live conductor inductance @ 1MHz	0.606293 µH/m