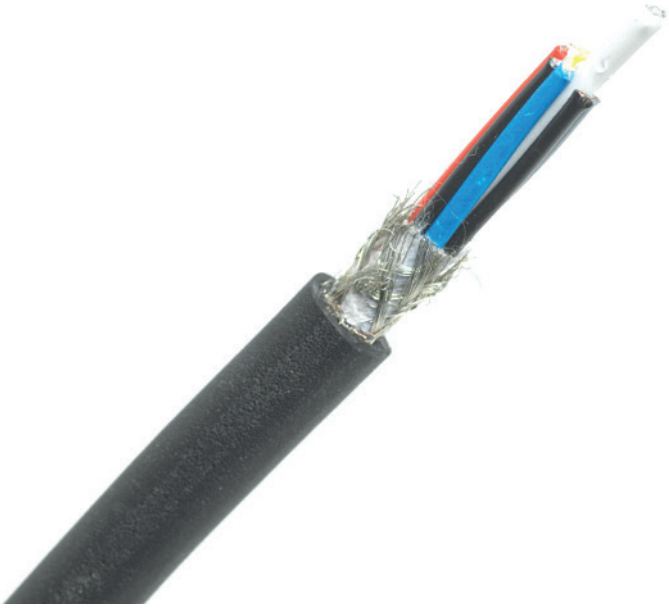
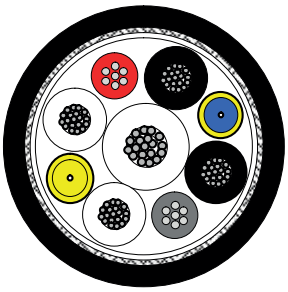
Product Data Sheet

Argosy SMPTE **HYPER***flex* Camera Cable PUR - MTR

Description





The Argosy **HYPER***flex* SMPTE Camera Cable is engineered to meet the rigorous demands of professional broadcasting and video production environments. Its proprietary rubberised Polyurethane outer jacket provides unmatched flexibility, allowing for effortless handling and manoeuvrability, even in the most confined spaces. Despite its exceptional flexibility, the cable maintains robust durability, ensuring it can withstand the challenges of frequent use.

Central to the **HYPER***flex* SMPTE Cable's performance is the inclusion of Draka BBXS G657 bend-insensitive fibres. These advanced fibres are engineered to deliver consistent, high-quality signal transmission, even under conditions that typically cause significant bending or pulling. This ensures that your video and data remain clear and uninterrupted.

The cable's unique patch cord construction is designed to mitigate increased attenuation, a common issue associated with repeated pulling and bending. By providing additional protection, this construction helps maintain signal integrity over time, reducing the risk of signal loss or degradation.

Whether you're on a live broadcast, a film set, or in a studio, the Argosy **HYPER***flex* SMPTE Camera Cable delivers the flexibility, durability, and reliable performance you need for flawless operations.

Product	SKU
ARGOSY SMPTE **HYPER***flex* CAMERA CABLE PUR - MTR	100140

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Key Benefits

- **Super Flexible Design:** The proprietary rubberised outer jacket ensures the cable is extremely flexible, making it easy to handle and position in any environment.
- **Durable Construction:** Engineered to withstand the wear and tear of frequent use, ensuring longevity and reliability.
- **Bend-Insensitive Fibre:** Incorporates Draka BBXS G657 fibers that resist high attenuation and signal degradation even under tight bending conditions.
- **BendBrightXS:** Fully meets or exceeds ITU-T recommendations G.657.A1, G.657.A2, G.657.B2 (2009) and G.652.D (2009), as well as IEC International Standards 60793-2-50 Type B.1.3 and B.6.A&B Optical Fibre Specification.
- **Patch Cord Construction:** Specifically designed to protect against increased attenuation, maintaining optimal signal quality despite repeated pulling and bending.
- **Enhanced Signal Integrity:** Ensures consistent, high-quality signal transmission, reducing the risk of signal loss in critical applications.
- **Versatile Applications:** Ideal for live broadcasts, film sets, and studio environments where reliable and flexible cable performance is crucial.

Technical Specification

Argosy SMPTE HYPERflex Camera Cable Spec	
Construction	**Strength Element:** Aramid yarn
Element 3: Fibre Optic Simplex Single Mode (2 x 9/125µ) (BBXS)	**Sheath:** 1 x blue, 1x yellow, diameter 1.6 mm
Mode field diameter: at 1310 nm, diameter 9.5 µm ± 1 µm	**Stranding Core:** 1x Element 4, diameter 2.1 mm Layer: 4x Element 1 + 2x Element 2 + 2x Element 3, diameter 5.2 mm Sequence according to the above drawing
Cladding diameter diameter: 125 µm ± 1 µm	**Wrapping:** 1 x non-woven fabric tape, diameter 5.4 mm
Concentricity error: ≤ 1 µm	**Screen:** Copper wire braid, tinned, diameter 5.9 mm
Coating material: UV-cross-linked Acrylate, diameter 245 µm	**Sheath:** PUR or LSOH or FRNC-C (FRNC-C with additional Al-Pet foil) diameter 9.2 mm black, RAL 9005
Buffer material: Thermoplastic, diameter 0.9 µm ± 0.05 µm	**Mechanical properties**
Identification: 1 x blue, 1x yellow	**Temperature range PUR (FRNC) during operation:** - 40°C to + 70°C (-25°C to +70°C)

Product Data Sheet

Argosy SMPTE HYPERflex Camera Cable PUR - MTR

Technical Specification

Argosy SMPTE HYPERflex Camera Cable Spec	
Temperature range FRNC-C during operation: -20°C to + 70°C	**Optical properties (at 20°C)**
Max. humidity: 95 %	**Cut-off wavelength:** 1100 – 1350 nm
Electrical properties (at 20°C)	**Attenuation:** at 1310 nm, 0.5 dB
Auxiliary Conductors AWG20 (4 x 0.6 mm²)	**Dispersion:** at 1310 nm, 3.5 ps/nm*km
DC resistance: ≤ 35.3 Ω/km	**Technical data**
Loop resistance: ≤ 70.6 Ω/km	**Type:** 9.2mm SMPTE 311M Hybrid Camera Cable PUR rubber
Insulation resistance: ≥ 104 MΩ*km	**Weight kg/km:** 115
Test voltage: 1750 VAC rms	**Drum size PWD**: 760/470/500
Operating voltage: ≤ 300 VAC rms	**Copper content:** 47.2
Signal Conductors AWG24 (2 x 0.22 mm²)	**Minimum bending radius mm:** 65
DC resistance: ≤ 97.5 Ω/km	**Storage:** inside
Loop resistance: ≤ 184 Ω/km	**Flame resistance**
Insulation resistance: ≥ 104 MΩ*km	**FRNC jacket:** IEC 60332-1, IEC 60754-2, IEC 61034, Class Eca
Test voltage: 1750 VAC rms	**FRNC-C jacket:** IEC 60332-3-24, Class Cca
Operating voltage: ≤ 300 VAC rms	**Standards**
Overall screen	**C25:** Properties of cabled BendBright-XS Patch Cord fibre; ITU G.557 A2 and G.657 B2
DC resistance: ≤ 20 Ω/km	