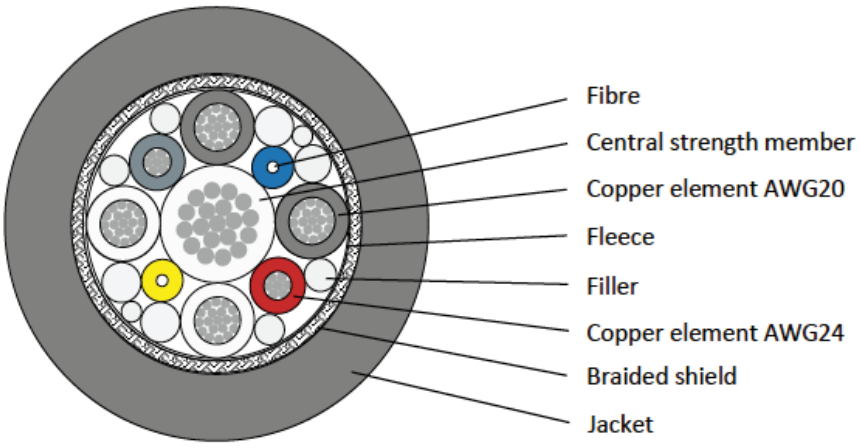
FIBRE SYSTEMS

TACTICAL CAMERA CABLE

9MM SMPTE 311 CABLE

Part Number: FSY- V2063-009

Fibre Systems AT-(ZN)V(C)Y 2E9/125+4 x 0.61 mm² (AWG20) + 2 x 0.22 mm² (AWG24).
Tight buffered fibre (TB900L), outer diameter 0.9 mm



Colour code

- Yellow and blue

Copper elements AWG20

Four stranded copper wires AWG20 (0.61 mm²) with tinned copper and HDPE insulation.

Colour	Two black, two white
Diameter	1.57 mm
Nominal voltage U0/U	300 V / 300 V
Testing voltage core/core	2.0 kV for 1 min.
Testing voltage core/C-shielding	1.5 kV for 1 min.
Conductor resistance at 20°C	Max. 36 Ω/km
Insulation resistance at 20°C	Min. 10,000 MΩ × km

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Copper elements AWG24

Two stranded copper wires AWG24 (0.22 mm²) with tinned copper and HDPE insulation.

Colour	Red, grey
Diameter	1.20 mm
Nominal voltage U0/U	300 V / 300 V
Testing voltage core/core	2.0 kV for 1 min.
Testing voltage core/C-shielding	1.5 kV for 1 min.
Conductor resistance at 20°C	Max. 92 Ω/km
Insulation resistance at 20°C	Min. 10,000 MΩ × km

Central strength member

Stranded steel wires (zinc plated) 19 x 0.36 mm (Ø 1.8mm) with PE jacket

Tensile strength class	Min. 1770 N/mm²
Colour	Natural
Diameter	2.5 mm

Stranding

- Two fibre elements, six copper elements and fillers stranded around a central strength member
- Wrapping with non-woven

Copper braid

Copper braid with tinned copper wires, diameter 0.10 mm

Optical coverage	Min. 80%
Braid resistance DC at 20°C	⩽ 20 Ω/km

Outer jacket

Polyvinylchloride (PVC), wall thickness	Approx. 1.5 mm
Outer diameter	9.2 ± 0.2 mm
Colour	Black
Inkjet marking (white)	FIBRE SYSTEMS TACTICAL CAMERA CABLE SMPTE 311 2XE9/125 4XAWG20 2XAWG24 SHIELDED PVC-JACKET SHIELDED DOUBLE PVC-JACKET (alternating current symbol twice), (Order No.), (Reel No.), (sequential length in metres)

Application/Installation

- Flexible cable for moved application indoor and outdoor
- For multimedia application

Transmission characteristics

Transmission characteristics see separate fibre data-sheet.

TACTICAL CAMERA CABLE

Mechanical characteristics

Min. bending radius in moved application (dynamic), without additional tensile strain acc. IEC 60794-1-21 E6	10 x outside diameter
Max. tensile force acc. IEC 60794-1-2 E1	750 N
Max. crush resistance acc. IEC 60794-1-2 E3, short term	2000 N/dm
Max. crush resistance acc. IEC 60794-1-2 E3, long term	500 N/dm
Cable weight	Approx. 125 kg/km

Thermal characteristics

Transport and storage	- 40°C to + 70°C
Installation	- 10°C to + 50°C
In use acc. IEC 60794-1-2 F1	- 20°C to + 70°C

Fire performance

Flame retardant outer jacket

Chemical characteristics

- Good resistance to oil, petrol, acid and leach
- UV-resistance of the outer-jacket

Standardisation

In accordance to SMPTE 311

Notes

Possible packaging: Disposable drums

Attention, the cable is covered by the low voltage directive! Installation and startup/shutdown may only be carried out by a qualified electrician!

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