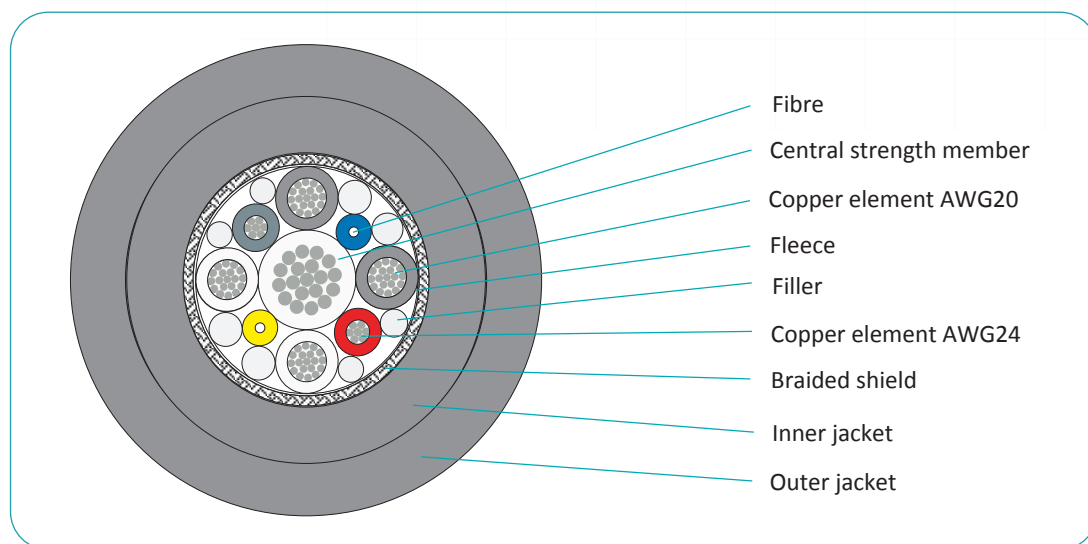


TACTICAL CAMERA CABLE

12MM SMPTE 311 CABLE

Part Number: FSY- V2063-012

Fibre Systems 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

TACTICAL CAMERA CABLE

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/mm ²
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

Inner jacket

Polyvinylchloride (PVC), wall thickness	Approx. 1.5 mm
Outer diameter	Nom. 9.2 mm
Colour	Black

Outer jacket

Polyvinylchloride (PVC), wall thickness	Approx. 1.4 mm
Outer diameter	Nom. 12.0 mm
Colour	Black
Inkjet marking (white)	FIBRE SYSTEMS TACTICAL CAMERA CABLE SMPTE 311 2xE9/125 4xAWG20 2xAWG24 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



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TACTICAL CAMERA CABLE

Transmission characteristics

- Transmission characteristics see separate fibre data-sheet

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. 195 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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