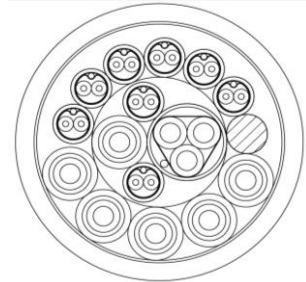




SELF-POWERED AUDIO MULTIPAIR / VIDEO MULTICOAX

Hybrid cable assembly

 Elements A	COAXIAL CABLE	
 Elements B	AUDIO PAIR	
 Elements C	POWER SUPPLY LINE	



General description

Self-powered cables designed to audio/video reporter application, incorporating camera, monitor and mixer channels.

The whole cable is made-up of a power supply line available in several sizes, shielded audio pairs and coaxial cables for video signal.

High flexibility design and materials selected in order to guarantee several installation requirements.

Cable is available in different versions: overall shielded or unshielded, reinforced with aramid fibers strength element or steel armored, for static or mobile installation, flame retardant, halogen free and with different composition and number of elements.

Applications

Audio/video applications where is necessary one cable running from the reporter site, where camera, monitor and mixer are located, to the acquisition devices.

Cable suitable for indoor and outdoor.



-Drawings are not intended to represent detailed images of the product which they refer, but are for information only.

ENGINEERING INFORMATION

Operating temperature range

Static installation: - 15°C ÷ + 80°C

Dynamic installation: 0°C ÷ + 80°C

Rated voltage

Coaxial cables : 30 V

Audio pairs: 30 V

Power line: 300 V

Minimum bending radius 20 ÷ 7 x Outer Diameter

Safety features available Flame retardant / Halogen free



CONSTRUCTION

Elements A COAXIAL CABLES



Coaxial elements are available in 50, 60 and 75 Ohm version, for mobile or static application and in several size. Featuring low capacitance value suitable for HD-TV signal transmission.

Conductor

Material: Bare / Tinned / Silver coated copper

Formation: single conductor / flex concentric strand

Insulation

Material: Polyolefin (compact / Foamed / Foam-skin)

Shielding

Tinned / Bare / Silver coated copper braid and/or Aluminium-polyester foil

Semi-conductive cover

Semi-conductive extruded cover (*optional*)

Sheath

Flexible PVC compound / PUR / Elastomer compound

Elements B AUDIO PAIRS



Audio pair is available in analog version or suitable for the connection of digital audio equipment well within the standards set by AES/EBU. Featuring 110 ohm nominal impedance and extremely low capacitance in order to guarantee high quality digital audio signal, shortens signal delay, providing errorfree transmissions over extended distances.

Conductor

Material: Bare / Tinned copper

Formation: Concentric strand

Insulation

Material: Polyolefin (compact / Foamed / Foam-skin)

Colours: Red and white / Upon request

Pairs shielding

Aluminium-Polyester foil and/or Bare / Tinned copper braid or spiral wound-up shield

Semi-conductive shield

Semi-conductive extruded cover (metal shield alternative)

Sheath

Flexible PVC compound / PUR / Elastomer compound

Elements C POWER SUPPLY LINE



Conductor

Material: Bare copper Cu ETP 5649/88

Formation: Flex / Extra-flex strand

Insulation

Material: Flexible PVC compound / Elastomer compound

Colours: Black, blu and yellow/green

Shielding

Aluminium-Polyester foil and/or Bare/Tinned copper braid

Sheath

Flexible PVC compound / PUR / Elastomer compound

Overall cabling

Outer jacket

Material: Flexible PVC compound / PUR / Elastomer compound

Colour: Upon request

Overall diameter O.D.

Depending on number and size of elements

Marking

According to customer's request