
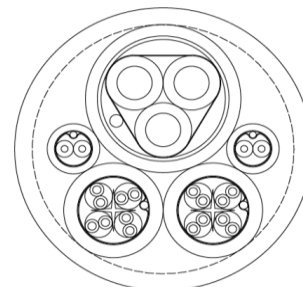




SELF-POWERED AUDIO MULTIPAIR / DATA LAN

Hybrid cable assembly

| | | |
|--|--------------------------|--|
|  Elements A | LAN CABLE |  |
|  Elements B | AUDIO PAIR |  |
|  Elements C | POWER SUPPLY LINE |  |



General description

Self-powered cables designed to ensure interference free operation with the benefit of running only one cable for power, audio and signal.

The whole cable is made-up of a power supply line available in several sizes, jacketed and shielded digital audio pairs and integral LAN cables.

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

Self-powered loudspeaker systems.

Connection of digital equipment well within the standards set by AES/EBU, audio video and lighting applications such as colour change control, follow spots with intercom, powered loudspeaker and monitor control. 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

LAN 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 LAN CABLE


LAN cables are available in Cat5, Cat5e and Cat6 version, shielded or unshielded, with single wire conductor for static installation or with flex stranded core (Cat PATCH) for mobile installation and higher flexibility.

Conductor

Material: Bare / Tinned / copper

Formation: Single conductor / Flex concentric strand

Insulation

Material: Polyolefin

Shielding

Aluminium/Polyester foil, drain wire (FTP)

Aluminium/Polyester foil and tinned copper braid, drain wire (SFTP)

Sheath

Flexible PVC compound / PUR / Elastomer compound


Elements B AUDIO PAIR


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

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