



## Applications

- AES/EBU and DMX digital signals
- Analog and digital sound
- Control of lighting systems, digital mixing tables, scanners, displays, amplifiers, recorders
- Professional audio, MIDI systems and Hi-Fi components
- Inner, outer and permanent installations
- Industrial technology and control units

## Connectors



## Description

Cables designed for the transmission of digital signals under the AES/EBU and DMX formats. These are the most important standards for stage and broadcast professionals in the audio and video fields requiring balanced connections with a characteristic impedance of 110Ω. Their screens effectively protect and ensure optimal signal

transmission with high immunity to noise and interference caused by external devices, making them suitable even for long runs.

The UL-PVC used ends up giving them flexibility and robustness for indoor, outdoor and permanent installations.

## Advantages

- ✔ **OFC** **Oxygen-free** copper with a purity level of 99.99%. It provides a **higher conductivity** than conventional 99.9% purity copper.
- ✔ **DMX-AES/EBU** Balanced conductors with a **110Ω digital signal**.
- ✔ **Screening** High coverage screens that **protect from external interference** and ensure good signal transmission.
- ✔ **UL-PVC** **Fire retardant** PVC UNE-EN 60332-1-2 / IEC-60332-1.

## Technical data

	Q3-605	Q3-604	Q3-602	Q3-434	Q3-2110	Q3-1110
<b>N. Cond x Section (mm<sup>2</sup>)</b>	1x2x0,14 (26AWG)	1x2x0,20 (24AWG)	1x2x0,24 (24AWG)	1x2x0,135 (26AWG)	1x2x0,22 (24AWG)	1x2x0,35 (22AWG)
<b>Stranding (mm)</b>	18/0,10 OFC TC	25/0,10 OFC	19/0,125 OFC TC	12/0,12 OFC TC	28/0,10 OFC	11/0,20 OFC
<b>Insulation (mm)</b>	1,20 HDPE	1,20 HDPE	1,60 HDPE	1,50 HDPE	1,50 FPE+Skin	1,70 FPE+Skin
<b>Insulation colour</b>	Red-White	Red-White	Red-White	Red-White	Red-White	Blue-White
<b>Constructive elements</b>	Drain wire OFC TC	Drain wire OFC	Drain wire OFC TC	-	Cotton wires Non woven tape	Cotton wires Non woven tape
<b>Screen</b>	Al Tape 100%	65/0,10 OFC 100%	Al Tape 100% Braid OFC TC 85%	70/0,12 OFC 100%	84/0,10 OFC 100%	16/7/0,10 OFC TC 80%
<b>Jacket (mm)</b>	3,40 UL-PVC	3,80 UL-PVC	4,60 UL-PVC	6,00 UL-PVC	6,00 UL-PVC	6,30 UL-PVC
<b>Jacket colour</b>	Blue	Blue	Blue, Black	Blue, Black, Red, Green	Blue, Black	Blue, Black
<b>Presentation (m)</b>	100	100	100	100	100/500	100/500

## Electrical characteristics

	Q3-605	Q3-604	Q3-602	Q3-434	Q3-2110	Q3-1110
<b>Impedance</b>	110 Ω	110 Ω	110 Ω	110 Ω	110 Ω	110 Ω
<b>Conductor resistance</b>	148,94 Ω/Km	93,25 Ω/Km	93 Ω/Km	126 Ω/Km	90 Ω/Km	58 Ω/Km
<b>Capacity c/c</b>	50 pF/m	36 pF/m	45 pF/m	50 pF/m	50 pF/m	38 pF/m
<b>Capacity c/p</b>	260 pF/m	75 pF/m	110 pF/m	88 pF/m	110 pF/m	95 pF/m
<b>Maximum voltage</b>	49 V	49 V	49 V	49 V	49 V	49 V

## Technical data

	Q3-51201	Q3-51202	Q3-5008	Q3-1110NHF	Q3-4110
<b>N. Cond x Section (mm<sup>2</sup>)</b>	1x2x0,34 (22AWG)	1x2x2x0,34 (22AWG)	1x2x0,50 (20AWG)	1x2x0,35 (22AWG)	1x4x0,22 (24AWG)
<b>Stranding (mm)</b>	7/0,25 OFC TC	7/0,25 OFC TC	19/0,185 OFC TC	11/0,20 OFC	28/0,10 OFC
<b>Insulation (mm)</b>	1,60 HDPE	1,60 HDPE	1,95 FPE+Skin	1,70 FPE+Skin	1,50 FPE+Skin
<b>Insulation colour</b>	Green-White	Green-White Red-White	Red-White	Blue-White	Red-White Yellow-Black
<b>Constructive elements</b>	Drain wire OFC TC	Drain wire OFC TC	5,00 UL-PVC White	Drain wire OFC TC	Non woven tape
<b>Screen</b>	Al Tape 100% + 16/6/0,10 OFC TC 75%	Al Tape 100% + 16/5/0,10 OFC TC 60%	24/7/0,12 OFC TC 95%	Al Tape 100% Braid OFC TC 80%	118/0,10 OFC 100%
<b>Jacket (mm)</b>	5,20 UL-PVC	7,00 UL-PVC	7,50 UL-PVC	6,30 FRLSZH	7,00 UL-PVC
<b>Jacket colour</b>	Grey	Grey	Blue	Black	Blue, Black
<b>Presentation (m)</b>	100	100	100	100/500	100/500

## Electrical characteristics

	Q3-51201	Q3-51202	Q3-5008	Q3-1110NHF	Q3-4110
<b>Impedance</b>	110 Ω	110 Ω	110 Ω	110 Ω	110 Ω
<b>Conductor resistance</b>	55 Ω/Km	55 Ω/Km	36 Ω/Km	58 Ω/Km	90 Ω/Km
<b>Capacity c/c</b>	35 pF/m	35 pF/m	22 pF/m	38 pF/m	50 pF/m
<b>Capacity c/p</b>	85 pF/m	85 pF/m	54 pF/m	95 pF/m	110 pF/m
<b>Maximum voltage</b>	49 V	49 V	49 V	49 V	49 V

## Physical characteristics

<b>Operating temperature</b>	-15°C / +70°C
------------------------------	---------------