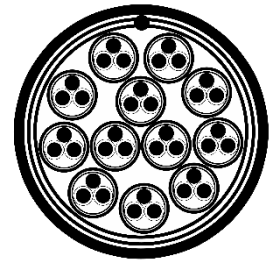


YT-12S-K (BE4655605)

Analog & AES/EBU Digital Audio Cable



Applications

AES/EBU Digital Audio Cable
Analog microphone and balanced line signal cable
Suitable for terminal blocks
For soldering XLR connectors
DMX 512 light control
For fixed installation

General Description

0.51 mm solid tinned copper conductor, foam polyethylene insulation, pair individually shielded with aluminum-polyester foil with drain wire and halogen free compound sheath each pair. Lay up pairs, polyester foil, tinned copper drain wire. Aluminum-polyester foil shield. Halogen free compound outer sheath.

Construction & Dimensions

1. Inner conductor

Material	Tinned copper
Cross section	0.20 mm ²
Composition	1 x 0.51 mm

2. Insulation

Material	Foam polyethylene
Diameter	1.22 mm
Color pairs	1 white/blue, 2 white/orange, 3 white/green, 4 white/brown, 5 white/gray, 6 red/blue, 7 red/orange, 8 red/green, 9 red/brown, 10 red/grey, 11 black/blue, 12 black/orange

3. Drain wire

Material	Tinned copper
Cross section	0.20 mm ²
Composition	1 x 0.51 mm

4. Twisted

Method	2 conductors Each minimum 24 mm (41.6 turns/meter)
--------	---

5. Shield

Material Aluminum-polyester foil
Coverage 100 %

6. Sheath

Material Halogen free compound
Diameter 3.10 mm
ID and Color Black numbers on grey sheath RAL 7000

7. Lay up

Composition 12 pairs twisted
Method Each 211-221 mm (4.74 – 4.52 turns/meter)

8. Protection

Material Polyester foil

9. Drain wire

Material Tinned copper
Cross Section 0.28 mm²
Composition 1 x 0.60 mm

10. Shield

Material Aluminum-polyester foil
Coverage 100 %

11. Outer sheath

Material Halogen free compound
Color Gray RAL 7000
Nominal diameter 15.1 mm

12. Printing

Texting

YT 12 SK HOLMEFJORD BY BELDEN BE46556 12X2 STP FRNC/LSNH Dca-s2,d2,a1 WWYY
+ metermarkering

Black letters and numbers:
WW = Week of production
YY = Year of production

Mechanical characteristics

Parameter	Specification	Unit
Temperature range operating	-15 to +80	°C
Temperature range installation	-5 to +80	°C
Minimum bending radius	15 x Ø	

Electrical characteristics

Parameter	Specification	Unit
Nominal DC resistance conductor @ 20° C	92	Ω/Km
Nominal DC resistance drain wire @ 20° C	92	Ω/Km
Insulation resistance	> 500	MΩ/Km
Nominal impedance (0.3 - 1 MHz)	110 (±15%)	Ω
Nominal capacitance	45 (±15%)	pF/m
Unbalance capacitance	< 3	%
Minimum crosstalk at 16KHz (Z=110 Ω)	90	dB
Nominal attenuation @ 0.3 MHz	9.0	dB/500m
Nominal attenuation @ 1.0 MHz	21.0	dB/500m
Nominal attenuation @ 10 MHz	30.0	dB/500m
Nominal attenuation @ 20 MHz	36.0	dB/500m
Test Voltage	500	V
Work Voltage	500	V

Applicable Standards & Environmental Programs

Specification	Status
Flame Retardant according to IEC 600332-1	Pass
Halogen Free according to IEC 60754-1	Pass
EU Directive 2011/65/EU (ROHS II)	Yes
EU CE Mark	Yes
CPR Class	Dca, s2d2a2
DoP number xxxxxxxxx (TBA)	Yes