
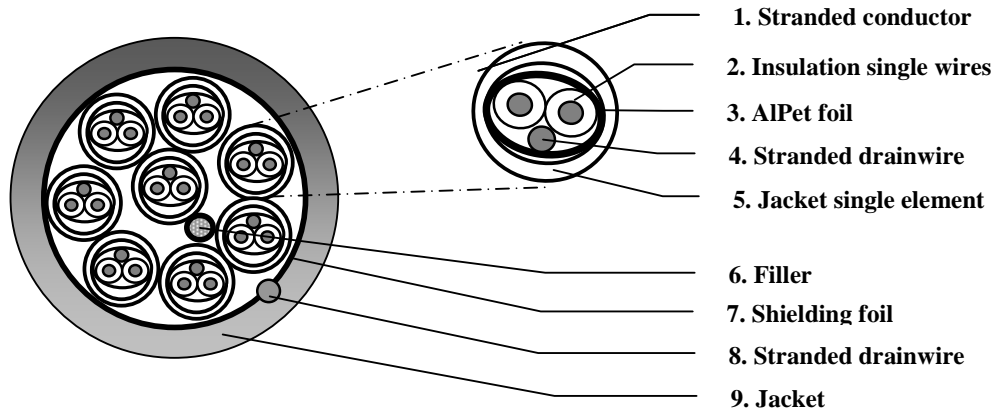


| | | | |
|---|--|---------|-------------------|
|  | TECHNICAL DATA SHEET | code | |
| | | version | 1 |
| | AES/EBU Multi-Pair Snake Cable FRNC | date | 2014-11-14 |
| | 2-25 pair 26AWG (0.14mm ²) | page | 1/3 |

APPLICATION

Digital multi-modulation cable used in professional studios for the transmission of analogue and digital audio signals. Designed to meet the requirements of the AES/EBU specification

CONSTRUCTION



Each pair individually shielded with Beldfoil® aluminium-polyester shield. Individual pairs with numbered FRNC jacket.

Overall Beldfoil® aluminium-polyester shield. Overall FRNC jacket.

1. Conductor

| | |
|-----------|-------------------------|
| Material | Bare oxygen free copper |
| Dimension | 7 x 0.15mm (AWG 26) |

2. Insulation single wires


| | |
|--------------------------|-------------------|
| Material | Foam Polyethylene |
| Diameter over insulation | 1.10 ± 0.03 mm |
| Colour of insulation | White and Blue |

3. Shielding Beldfoil ®

| | |
|----------|---------------------------------|
| Material | ALPet foil with Aluminum inside |
| Coverage | 100% |


4. Drainwire

| | |
|-----------|---------------------|
| Material | Tinned copper |
| Dimension | 7 x 0.16mm (AWG 26) |

| | | | | |
|---|--|--|---------|-------------------|
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- 5. Jacket**
Material FRNC
Diameter 2.9 ± 0.1 mm
Elements are numbered for identification
- 6. Filler**
Cable n pairs
- 7. Foil shield**
Material Aluminum-polyester
Coverage 100%
- 8. Drainwire**
Material Tinned copper
Dimension 7 x 0.16 mm (AWG 26)
- 10. Outer jacket**
Material FRNC

| Part number | Number of pairs | Nominal O.D. | Wall thickness |
|-------------|-----------------|--------------|----------------|
| 70052 | 2 | 8.4 | 1.1 |
| 70053 | 4 | 9.8 | 1.2 |
| 70054 | 8 | 12.8 | 1.2 |
| 70073 | 10 | 13.6 | 1.3 |
| 70055 | 12 | 14.7 | 1.3 |
| 70056 | 16 | 16.5 | 1.3 |
| 70074 | 25 | 20 | 1.6 |

| | | | | |
|---|--|--|---------|-------------------|
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REQUIREMENTS AND TEST METHODS

Electrical:

| | |
|--|---------------------|
| Impedance 0.1-6 MHz | 110 Ohm +/- 15 Ohms |
| Nominal capacitance conductor to conductor @ 1 kHz | 40 pF/m |
| Nominal conductor DC resistance @ 20°C | 134 Ohm/km |
| High voltage test conductor-conductor | 1.0 kVdc |
| High voltage test conductors-shield | 1.0 kVdc |
| Nominal velocity of propagation: | 80 % |

Mechanical and physical:

| | |
|--|---------------------------|
| Temperature rating | -30 to +70 °C |
| Resistance to flame propagation: | IEC 60332-1 |
| FRNC material | |
| Corrosivity | IEC 60754-1 & IEC 60754-2 |
| LOI | >34% |
| Minimum bending radius without load | 10 x cable diameter |
| Minimum bending during install with load | 15 x cable diameter |

MARKING ELEMENT

| Element number | Element color | RAL Like | Text |
|----------------|---------------|----------|-------------------------------------|
| 1 – 25 | Grey | 7001 | <u>X</u> <u>X</u> <u>X</u> <u>X</u> |

X: Element number, at maximum 2 cm intervals, alternately inverted.



Belden declares this product to be in compliance with the environmental regulations EU RoHS (Directive 2002/95/EC, 27 January 2003); this is valid for all material produced after the RoHS compliant date for this product.