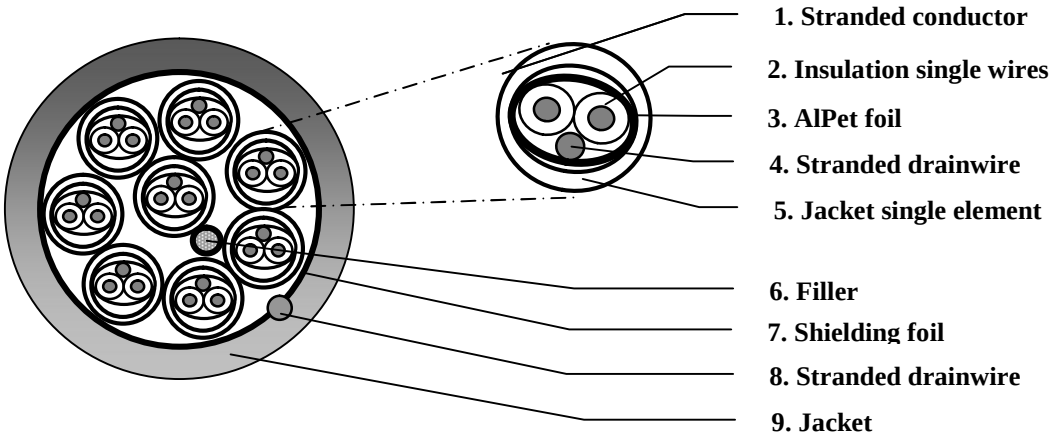
APPLICATION

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

Cable n pairs

6. Filler

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
70055	12	14.7	1.3
70056	16	16.5	1.3

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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 – 8	Grey	7001	X X X X

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.

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