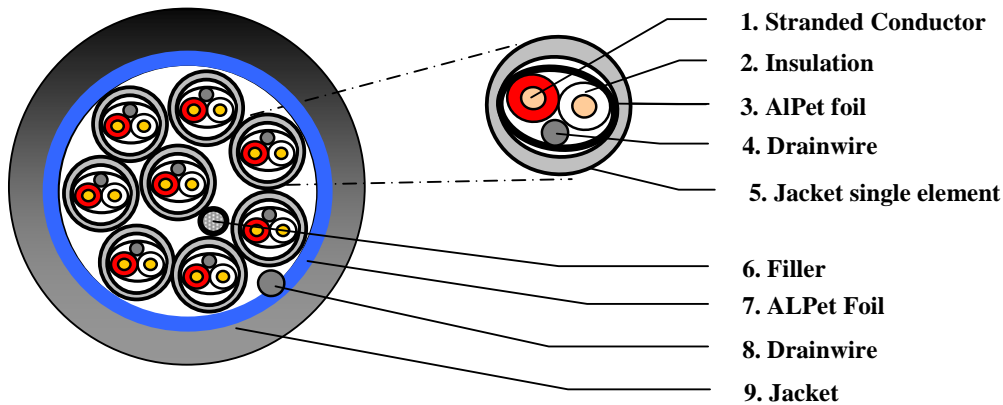
	<b>TECHNICAL DATA SHEET</b>	code	<b>70041-70044</b>
		version	<b>4</b>
	Analog Multicore Cable FRNC	date	<b>2010-02-11</b>
	2-12 pair (0.14mm <sup>2</sup> )	page	<b>1/2</b>

## APPLICATION

Audio snake cable used in professional studios for the transmission of analogue signals.

## 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 0.16mm (AWG 26)

### 2. Insulation single wires

Material

Polyethylene

Diameter over insulation

1.0 ± 0.03 mm

Colour of insulation

White and red

### 3. Shielding Beldfoil®

Material

ALPet foil with Aluminum inside

Coverage

100%

### 4. Drainwire

Material

Tinned copper

Dimension

7 x 0.16mm (AWG 26)

### 5. Jacket


Material (bonded to shielding foil)

FRNC

Diameter

2.8 ± 0.1 mm

Elements are numbered for identification

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Cable n pairs

**6. Filler**

**7. Shielding foil**

Material Aluminum-polyester  
Coverage 100%

**8. Drainwire**

Material Tinned oxygen free copper  
Dimension 7 x 0.16 mm (AWG 26)

**10. Outer jacket**

Material FRNC

Part number	Number of pairs	Nominal O.D.	Wall thickness
70041	2	8.0	1.1
70042	4	9.3	1.2
70043	8	12.1	1.2
70044	12	14.0	1.3

**REQUIREMENTS AND TEST METHODS**

**Electrical:**

Nominal capacitance conductor to conductor @ 1 kHz 90 pF/m  
Nominal conductor DC resistance @ 20°C 134 Ohm/km  
High voltage test conductor-conductor 500 Vdc  
High voltage test conductors-shield 500 Vdc  
Nominal velocity of propagation: 66 %

**Mechanical and physical:**

Temperature rating -30 to +70 °C  
Resistance to flame propagation: To meet IEC 60332-1  
FRNC material  
Corrosivity IEC 60754-1 & IEC 60754-2  
LOI >34%  
Minimum setting radius 5 x cable diameter  
Minimum bending during install 10 x cable diameter



Belden CDT believes 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.