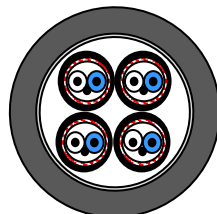


# Sound Flex 04

# 26 nxP

## Audio Cable



## Application

Audio cables are used in professional broadcasting systems for the transmission of analogue and digital audio signals. For mobile use, not for fixed installation in construction works

## Standards

acc. to AES/EBU-Recommendation

## Construction

Conductor	stranded copper wires, bare, diameter 0.48 mm (AWG26/ <b>30</b> ) (cross section 0.14 mm <sup>2</sup> )
Insulation	Foam-skin-PE , diameter 1.1 mm
Pair stranding	two cores twisted to the pair
Pair identification	a - core: white, b - core: blue (the above colours in regular intervals)
Pair screen	one layer of spiraled bare copper wires + stranded bare copper drain wires diameter 2.4 mm
Pair sheath	PVC, Penetrating extrusion, round pairs , <b>diameter 3.0</b> mm
Identification	black, RAL 9005 with number printing
Cable lay up	n pairs twisted in layers
Wrapping	Polyester web
Sheath	High flexible PVC Black
Printing	<b>DRAKA</b> – Sound Flex 04 - SP 26 – 110 Ω + meter marking + batch number

## Mechanical properties

Minimum bending radius	without load	10 x D ( D= outer diameter )
	with load	15 x D ( D= outer diameter )
Temperature range	during operation	- 20° C to + 70° C

## Electrical properties

at 20°C

Loop resistance	at 20°C ± 5 °C	≤ 288 Ω/km
Insulation resistance	at 20°C ± 5 °C und 500 V	≥ 2000 MΩxkm
Mutual capacitance	at 800 Hz	≤ 46 nF/km
Velocity ratio		ca. 78 %
Test voltage	core/core	1000 V <sub>DC</sub> 1 min
	core/screen	1000 V <sub>DC</sub> 1 min
Characteristic impedance	6 MHz	110 Ω ± 10%

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## Electrical data

at 20°C

Frequency (MHz)	Attenuation (dB/100m)	Near end crosstalk (cable length 300 m) (dB)	
		neighbourled pairs	unneighbourled pairs
0.015	0.5	100	100
1.0	2.1	75	85
4.0	5.9	65	80
10.0	10.8	63	70
20.0	17.6	60	65

## Technical data

Product code	Designation	Type	Outer diameter mm	Weight kg/km	Standard delivery length m	Drum size *PWD/OWD	Gross weight kg	Copper content	Tensile force N
	Li-02YSDYY	2x2x0.14 <sup>2</sup>	9.2	93	1000	600/310/380	98	20	110
	Li-02YSDYY	4x2x0.14 <sup>2</sup>	10.2	109	1000	760/360/580	123	40	220
	Li-02YSDYY	8x2x0.14 <sup>2</sup>	13.6	205	1000	1000/500/560	260	80	440
	Li-02YSDYY	10x2x0.14 <sup>2</sup>	16.0	265	1000	1100/500/650	345	100	550
	Li-02YSDYY	12x2x0.14 <sup>2</sup>	17.0	320	1000	1100/500/650	400	120	660
	Li-02YSDYY	16x2x0.14 <sup>2</sup>	19.0	420	1000	1300/500/650	500	180	880

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