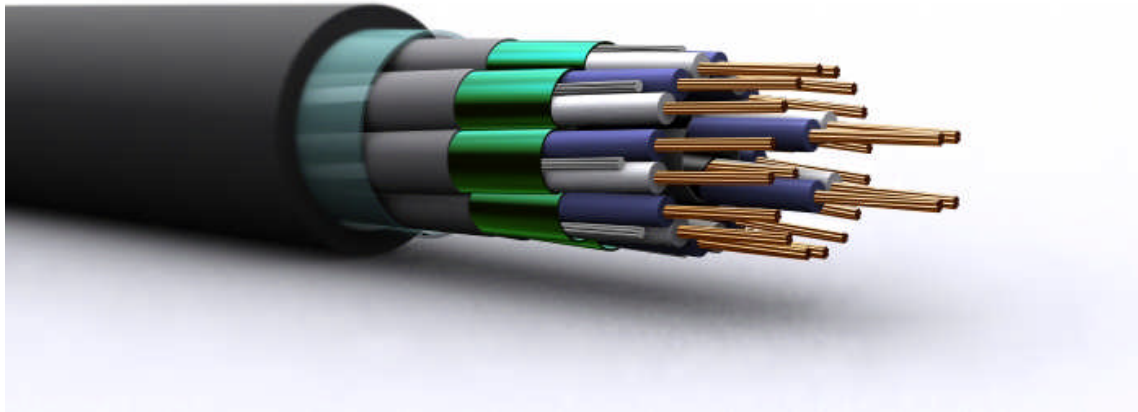




PROFI SOUND FLEX

Audio Cable AWG 24/7, Li-02YS(ST)YY



Application

Audio cables are used in professional broadcasting systems for the transmission of analogue and digital audio signals.

Standards

acc. to AES/EBU-Recommendation

Flame resistance

VDE 0472 part 804 class B and IEC 60332-1

Construction

Inner conductor	stranded copper wires, bare, diameter 0.60 mm (AWG24/7) (cross section 0.22 mm ²)
Insulation	Foam-skin-PE , diameter 1.40 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	Al-PET-foil, Aluminum inside, + stranded copper drain wires, tinned diameter 2.95mm
Pair insulation	PBT, diameter 3.25 mm
Identification	grey, RAL 7001 with number printing
Cable lay up	n pairs twisted in layers
Overall wrapping	Polyester web
Sheath	DMC FLEX PVC gray
Printing	DRAKA – PROFI SOUND FLEX x P AES/EBU – 110 Ω + meter marking + batch number



PROFI SOUND FLEX

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	- 30° C to + 70° C

Electrical properties

at 20°C

Loop resistance	at 20°C ± 5 °C	≤ 175 Ω/km
Insulation resistance	at 20°C ± 5 °C and 500 V	≥ 2000 MΩxkm
Mutual capacitance	at 800 Hz	≤ 45 nF/km
Relative Velocity ratio		ca. 78 %
Test voltage	core/core	1000 V _{DC} 1 min
	core/screen	1000 V _{DC} 1 min
Characteristic impedance	6 MHz	110 Ω ± 20%

Electrical data

at 20°C

Frequency (MHz)	Attenuation (dB/100m)	Near end crosstalk (cable length 300 m) (dB)	
		neighbouring pairs	unneighbouring pairs
0.015	0.3	85	95
1.0	2.5	90	90
4.0	4.2	90	90
10.0	6.3	90	90
20.0	8.6	90	90

Technical data

Product code	Designation	Type	Brand name	Outer diameter mm	Weight kg/km	Standard delivery length m	Drum size *PWD/OWD	Copper content	Tensile force N
1017131	Li-02YS(St)YY	4x2x0.22 ² PiMF	Profi Sound Flex 4P	10.0	90.5	1000	760/360/580	27	155
1017132	Li-02YS(St)YY	8x2x0.22 ² PiMF	Profi Sound Flex 8P	12.5	146	1000	1000/500/560	54	310
1018130	Li-02YS(St)YCY	10x2x0.22 ² PiMF	Profi Sound Flex 10P	15.1	177.5	1000	1100/500/650	68	360
1017133	Li-02YS(St)YY	12x2x0.22 ² PiMF	Profi Sound Flex 12P	16.2	203	1000	1100/500/650	81	440

PiMF (pairs in metal foil)
 PWD (plywood drum)
 OWD (oneway drum)