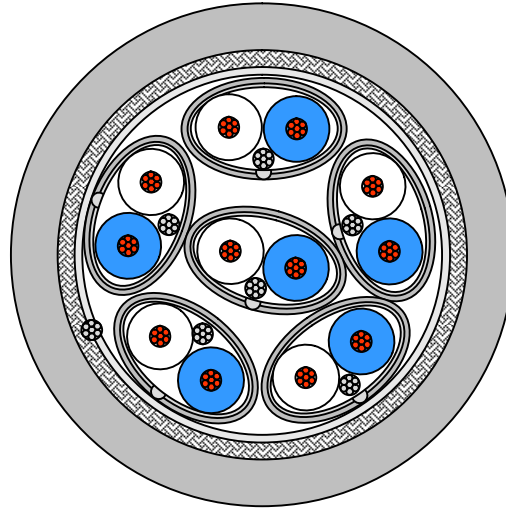


The right to alterations reserved

Audio Cables
AC10 SS 26/7 nXP
Li-02YS(St)CH nx2xAWG26/7 PiMF
basing upon ARD-Specification and
acc. to AES/EBU-Recommendation



Application

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

Cable lay up

Conductor	stranded copper wires, bare 0.48 mm (cross section 0.14 mm ²)	∅AWG26/7 mm
Insulation	Foam-skin-PE	∅ 1.2 mm
Pair stranding	two cores twisted to the pair	∅ 2.4 mm
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 PET-foil,	∅ 2.5 mm
Pair insulation of the one-pair cable		
Pair sheath of the Multi pair cables	FRNC, flame retardant	
Colour and identification	grey RAL 7001 with number printing	
Cable lay up	n pairs twisted in layers	
Overall screen	Al-PET-foil + copper braid, tinned	
Sheath	FRNC-C	
Sheath colour	grey, RAL 7001	
Sheath marking	DRAKA MULTIMEDIA CABLE - GERMANY – AC10 SS 26/7 nP AES/EBU - 110 Ω	

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Mechanical properties		
Bending radius during installation	without load with load	≥ 10 x cable diameter ≥ 15 x cable diameter
Temperature range		- 30 °C up to + 70 °C
Fire propagation		VDE 0472 part 804 class B or C and IEC 332-1 or 332-3 cat. CF
Electrical properties		
DC loop resistance (at 20 ± 5 °C)		≤ 288 Ω/km
Insulation resistance (at 20 ± 5 °C and 500 V)		≥ 2000 MΩxkm
Mutual capacitance at 800 Hz		nom. 45 nF/km
Capacitance unbalance (pair to ground)		≤ 1200 pF/km
Velocity ratio		approx. 78 %
Test voltage (50 Hz, 1 min) core/core and core/screen		700 V rms
Characteristic impedance		6 MHz : 110 Ω ± 10%
Transfer impedance		up to 10 MHz ≤ 10 mΩ/m up to 100 MHz ≤ 100 mΩ/m
	Near-end crosstalk (cable length: 300 m)	Attenuation
Frequency	Draka Multimedia Cable-Measurement values	Draka Multimedia Cable-Measurement values
[MHz]	[dB]	[dB/100m]
0.015	85	0.55
1.0	85	3.0
4.0	90	5.3
10.0	90	8.1
20.0	85	11.5

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Technical data

Product code	Desig-nation	Type	Brand name	Outer dia-meter mm	Weight kg/km	Stand-ard-de-livery-length m	Drum size EW	Gross weight kg	Cop-per content	Ten-sile force N
1002123 CT7651411	Li-02YSCH	1x2x0.48L PiMF	AC10 SS 26/7 1P FRNC-C	4.2	23	1000	050	27	10	50
1002147 CT7652410	Li-02YS(St)CH	2x2x0.48L PiMF	AC10 SS 26/7 2P FRNC-C	7.0	60	1000	071	85	31	155
1002125 CT7651511	Li-02YS(St)CH	3x2x0.48L PiMF	AC10 SS 26/7 3P FRNC-C	7.4	65	1000	071	90	35	175
1002129 CT7651613	Li-02YS(St)CH	4x2x0.48L PiMF	AC10 SS 26/7 4P FRNC-C	8.4	90	1000	081	115	40	200
1002131 CT7651710	Li-02YS(St)CH	6x2x0.48L PiMF	AC10 SS 26/7 6P FRNC-C	10.6	140	1000	091	187	65	325
1002142 CT7652111	Li-02YS(St)CH	8x2x0.48L PiMF	AC10 SS 26/7 8P FRNC-C	11.9	170	1000	091	217	90	450
1002134 CT7651811	Li-02YS(St)CH	10x2x0.48L PiMF	AC10 SS 26/7 10P FRNC-C	13.7	195	1000	101	266	110	550
1002137 CT7651911	Li-02YS(St)CH	12x2x0.48L PiMF	AC10 SS 26/7 12P FRNC-C	14.1	225	1000	101	295	117	555
1002140 CT7652011	Li-02YS(St)CH	16x2x0.48L PiMF	AC10 SS 26/7 16P FRNC-C	16.0	285	1000	101	356	135	675
CT...	Li-02YS(St)CH	20x2x0.48L PiMF	AC10 SS 26/7 20P FRNC-C	16.8	340	1000	121	480	165	825
1007975 CT7652311	Li-02YS(St)CH	24x2x0.48L PiMF	AC10 SS 26/7 24P FRNC-C	19.5	395	1000	120	495	265	1325