

# AC10 SS 26/7 x pairs

## Audio Cable

### Construction

<b>Conductor</b>	stranded copper wires, bare 0.48 mm (cross section 0.14 mm <sup>2</sup> )	∅ AWG26/7 mm
<b>Insulation</b>	Foam-skin-PE	∅ 1.2 mm
<b>Pair stranding</b>	two cores twisted to the pair	∅ 2.4 mm
<b>Pair identification</b>	a - core: white, b - core: blue (the above colours in regular intervals)	
<b>Pair screen</b>	Al-PET-foil, Aluminum inside + stranded copper drain wires, tinned	∅ 2.5 mm
<b>Pair insulation of the one pair cable</b>	PET-foil,	
<b>Pair sheath of the multi-pair cables</b>	FRNC, flame retardant	
<b>Colour and identification</b>	grey RAL 7001 with number printing	
<b>Cable lay up</b>	n pairs twisted in layers	
<b>Overall screen</b>	Al-PET-foil + copper braid, tinned	
<b>Sheath</b>	LSZH-C	
<b>Sheath colour</b>	grey, RAL 7001	
<b>Outer Diameter</b>	Nom. 4.2(1pair) - 19.5(24pair) mm	
<b>Weight</b>	Nom. 23(1pair) - 395(24pair) kg/km	
<b>Tensile force N</b>	Nom. 50(1pair) - 1325(24pair)	

### Mechanical Properties at 20°C

<b>Bending radius during installation</b>	with load	≥ 10 x cable diameter
	without load	≥ 15 x cable diameter
<b>Temperature range</b>	-	- 30 °C up to + 70 °C
<b>Fire propagation</b>	-	VDE 0472 part 804 class B or C and IEC 332-1 or 332-3 cat. CF

### Electrical Properties at 20°C

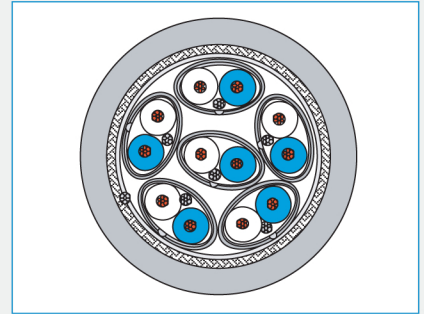
<b>DC loop resistance (at 20 ± 5 °C)</b>	≤ 288 Ω/km
<b>Insulation resistance (at 20 ± 5 °C and 500 V)</b>	≥ 2000 MΩxkm
<b>Mutual capacitance at 800 Hz</b>	nom. 45 nF/km
<b>Capacitance unbalance (pair to ground)</b>	≤ 1200 pF/km
<b>Velocity ratio</b>	approx. 78 %
<b>Test voltage (50 Hz, 1 min)</b>	700 V rms
<b>core/core and core/screen</b>	
<b>Characteristic impedance</b>	6 MHz : 110 Ω ± 10%
<b>Transfer impedance</b>	up to 10 MHz ≤ 10 mΩ/m up to 100 MHz ≤ 100 mΩ/m

### Electrical Data at 20°C

Frequency (MHz)	Near-end crosstalk (cable length: 300 m)		Attenuation [dB/100m]
	Draka Multimedia Cable - Measurement values		
	neighbouring pairs [dB]	unneighbouring pairs [dB]	
0.015	85	85	0.55
1.0	90	85	3.0
4.0	90	90	5.3
10.0	90	90	8.1
20.0	90	85	11.5

### Ordering Information

P/N	Product Description	P.U
1002123 CT7651411	Li-02YSCH, 1x2x0.48L PiMF, Audio Cable, AC10 SS 26/7 x pairs	1000m/drum
1002147 CT7652410	Li-02YS(St)CH, 2x2x0.48L PiMF, Audio Cable, AC10 SS 26/7 x pairs	1000m/drum
1002125 CT7651511	Li-02YS(St)CH, 3x2x0.48L PiMF, Audio Cable, AC10 SS 26/7 x pairs	1000m/drum
1002129 CT7651613	Li-02YS(St)CH, 4x2x0.48L PiMF, Audio Cable, AC10 SS 26/7 x pairs	1000m/drum
1002131 CT7651710	Li-02YS(St)CH, 6x2x0.48L PiMF, Audio Cable, AC10 SS 26/7 x pairs	1000m/drum
1002142 CT7652111	Li-02YS(St)CH, 8x2x0.48L PiMF, Audio Cable, AC10 SS 26/7 x pairs	1000m/drum
1002134 CT7651811	Li-02YS(St)CH, 10x2x0.48L PiMF, Audio Cable, AC10 SS 26/7 x pairs	1000m/drum
1002137 CT7651911	Li-02YS(St)CH, 12x2x0.48L PiMF, Audio Cable, AC10 SS 26/7 x pairs	1000m/drum
1002140 CT7652011	Li-02YS(St)CH, 16x2x0.48L PiMF, Audio Cable, AC10 SS 26/7 x pairs	1000m/drum
CT...	Li-02YS(St)CH, 20x2x0.48L PiMF, Audio Cable, AC10 SS 26/7 x pairs	1000m/drum
1007975 CT7652311	Li-02YS(St)CH, 24x2x0.48L PiMF, Audio Cable, AC10 SS 26/7 x pairs	1000m/drum



### Application

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

### Standards

Basing upon ARD-Specification and acc. to AES/EBU-Recommendation.)

### Fire Rating

- VDE 0472 part 804 class B or C and IEC 332-1 or 332-3 cat. CF