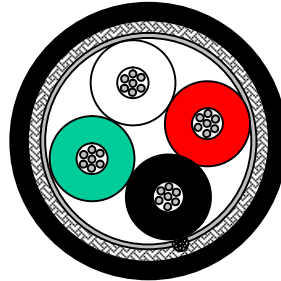




DMX LIGHT CONTROL PAT.512N

Audio Cable



Application

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

Standards

Flame resistance

VDE 0472 part 804 class B and IEC 60332-1

Construction

Conductor	stranded copper wires, 7 x 0.26 mm (AWG22/7), cross section 0.34 mm ² , diameter 0.78 mm
Insulation	PE, diameter 1.3 mm
Pair stranding	two cores twisted to the pair
Identification	pair 1: green, white pair 2: black, red
Cable lay up	two pairs with fillers twisted to the bundle
Screen	Al-PETP-foil, Aluminium outside + stranded copper drain wires, tinned + copper braid, tinned, diameter 4.8 mm
Sheath	DMC FLEX PVC, diameter 5.7 mm ± 1.0 – 0.2 mm black, RAL 9005 or grey, RAL 7001
Printing	DMX LIGHT CONTROL PAT 512 G or N + 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	- 30° C to + 70° C

Electrical properties

at 20°C

DC resistance		≤ 53 Ω/km
Insulation resistance	500 V	≥ 2000 MΩ*km
Mutual capacitance	800 Hz	nom. 72 nF/km
Velocity ratio		ca .78%
Test voltage	(50 Hz. 1 min) core/core and core/screen	1000 V _{rms}
Characteristic impedance	20 kHz	ca. 120 Ω
	1 MHz	ca. 70 Ω
Transfer impedance	to 10 MHz	≤ 10 mΩ/m
	to 100 MHz	≤ 100 mΩ/m



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Electrical data

at 20°C

Frequency (MHz)	Attenuation (dB/100m)
1.0	2.9

Technical data

Product code	Designation	Type	Brand name	Outer diameter mm	Weight kg/km	Standard delivery length m	Drum size *PWD	Gross weight kg	Copper content	Tensile force N
1002490 CT2955701	Li-2YS(St)CY	2x2xAWG 22 black	DMX LIGHT CONTROLPAT.512N	5.7	50	1000	500/200/310	54	32	165
1002488 CT2955600	Li-2YS(St)CY	2x2xAWG 22 grey	DMX LIGHT CONTROLPAT.512G	5.7	50	1000	500/200/310	54	32	165

*PWD (plywood drum)