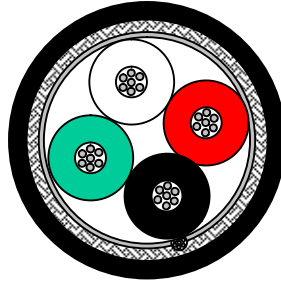


# DMX LIGHT CONTROL PAT 512N

## Audio Cable



## Application

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

## Flame resistance

PVC: Class E<sub>CA</sub>

## Construction

Conductor	stranded copper wires, 7 x 0.26 mm (AWG22/7), cross section 0.34 mm <sup>2</sup> , 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, black, RAL 9005 or grey, RAL 7001, diameter 5.8 mm ± 0.2 mm or FRNC, black, RAL 9005, diameter 5.8 mm ± 0.2 mm
Printing	PVC sheath: DRAKA DMX LIGHT CONTROL PAT 512 G or N + batch number + meter FRNC sheath: marking DRAKA DMX LIGHT CONTROL PAT 512 N FRNC + batch number + meter marking

## 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 PVC	- 30° C to + 70° C
	during operation FRNC	- 5° 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 <sub>rms</sub>
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

# DMX LIGHT CONTROL PAT 512N

## 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 CT295570 1	Li- 2YS(St)CY	2x2xAWG 22 black	DMX LIGHT CONTROLPAT.512	5.8	50	1000	400/150/4 65	54	32	165
1002488 CT295560 0	Li- 2YS(St)CY	2x2xAWG 22 grey	DMX LIGHT CONTROLPAT.512	5.8	50	1000	400/150/4 65	54	32	165
1026389	Li- 2YS(St)CH	2x2xAWG 22 black	DMX LIGHT CONTROLPAT.512	5.8	55	1000	400/150/4 65	59	32	165

\*PWD (plywood drum)

## Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
DR DMX PAT.512 2x2xAWG22 FLEX 1000DW	1002490-01000DW	60014658	<b>60011437</b>
DMX PAT.512 2x2xAWG22 FRNC BK		60013798	<b>60013798</b>
DMX PAT.512 2x2xAWG22 FRNC BK 1000DW	1026389-01000DW	60013798	<b>60013943</b>
DR DMX PAT.512 2x2xAWG22 FLEX grau		60014653	<b>60014653</b>
DR DMX PAT.512 2x2xAWG22 FLEX 1000DW	1002488-01000DW	60014653	<b>60014655</b>
DR DMX PAT.512 2x2xAWG22 FLEX schwarz		60014658	<b>60014658</b>
DR DMX PAT.512 2x2xAWG22 FLEX grau 100DC	1002488-00100DC	60014653	<b>60021891</b>
DR DMX PAT.512 2x2xAWG22 FLEX 100DC	1002490-00100DC	60014658	<b>60021893</b>

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