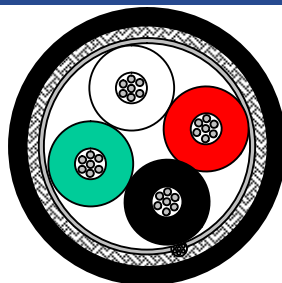


DMX LIGHT CONTROL PAT 512N

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_{CA}

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, 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 _{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

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	60011437
DMX PAT.512 2x2xAWG22 FRNC BK		60013798	60013798
DMX PAT.512 2x2xAWG22 FRNC BK 1000DW	1026389-01000DW	60013798	60013943
DR DMX PAT.512 2x2xAWG22 FLEX grau		60014653	60014653
DR DMX PAT.512 2x2xAWG22 FLEX 1000DW	1002488-01000DW	60014653	60014655
DR DMX PAT.512 2x2xAWG22 FLEX schwarz		60014658	60014658
DR DMX PAT.512 2x2xAWG22 FLEX grau 100DC	1002488-00100DC	60014653	60021891
DR DMX PAT.512 2x2xAWG22 FLEX 100DC	1002490-00100DC	60014658	60021893

© PRYSMIAN GROUP 2011, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.