

LanMarin® Cat 6A ARM

AWG 23/7

S/FTP Fleksibel

Armert

UV, SHF1

DNV

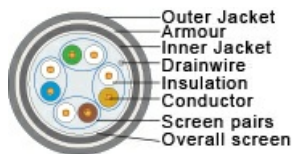
Bruksområde

Forsterket kabel for skip- og offshoreinstallasjoner og andre krevende omgivelser. Cat 6A Nettverk. Armeringen beskytter mot elektromagnetisk påvirkning og tilfredsstiller EU EMC-direktivet. Ethernet IEEE 802.3at-2009 Type 2 (PoE+). Denne kabelen kan brukes i røffe omgivelser.



Konstruksjon

Leder	0.28 [mm ²] Flertrådet fortinnet Cu 7 x 0.23 [mm] AWG 23/7
Isolasjon	Skummet glatt PE Ø = 1.55 ± 0,05 [mm]
Parantall	4
Fargekode	IEC 60189-2
Skjerm over par	Al/Mylar tape
Jordtråd	0.4mm solid Annealed Tinned Copper
Skjerm	Flettet fortinnet Cu-tråd ≥ 60 [% dekning]
Innerkappe	SHF1 Ø = 8.5 ± 0.3 [mm]
Armering alt.1	Galvanisert ståltrådfletting ≥ 60 [% coverage]
Armering alt.2	Fortinnet Cu-fletting ≥ 85 [% dekning]
Ytterkappe	Grå SHF1 , other colours on request
Ytre diameter	11.5 ± 0.6 [mm]
Vekt	175 [kg/km]
Kappemerkning	Nek Kabel - LanMarin Cat 6A S/FTP 4x2xAWG23/7 SHF1 GSWB - DNV - IEC 60332-3-22 - <batch no.> - <year> - <meter mrk.>

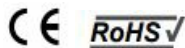


Tekniske data

Driftstemperatur normalt	-40 – +80 [°C]
Temperatur v/installasjon	-20 – +60 [°C]
Dielektrisk styrke	DC1kV i 1min.
Impedans v/100MHz	100 ± 5 [Ω]
Ledermotstand	≥70 [Ω/km]
Ledermotstand DC	≥ 73.2 [Ω/km]
Motstand DC ubalanse maks.	≥ 5 [%]
Isolasjonsmotstand	≥ 5000 [Ω x km] (IEC 60189-1)
Power over Ethernet	IEEE 802.3at-2009 Type 2 (PoE+)
Rated voltage	≥ 80 [V]
Kapasitans	ved 1kHz
Kapasitans ubalanse	≤ 160 [pF/100m at 1kHz] (IEC 60189-1)
Hastighetsfaktor	70 [%]
Mutual capacitance	48 [nF/km]
Min. bøyeradius installert	5 [x ytre diam]
Min. bøyeradius v/ inst	10 [x ytre diam.]

Normer

Halogenfri, max korrosive og giftige gasser	IEC 60754-1 & IEC 60754- 2
Materialegenskaper, isolasjon og kappe	IEC 60092-360
Konstruksjon- og test standarder	IEC 61156-5
Flammehemmet buntet kabel	IEC 60332-3-22 Cat.A
Flammehemmet enkeltkabel	IEC 60332-1-2
Røykutvikling	IEC 61034-2 ≥ 60%
Olje- og drivstoffbestandig	IRM 902 23°C / 7 dager, 70°C / 4h
UV-bestandig	UL 1581 (300H)
Sertifisering	DNV



El-nummer	GSWB: 1089656 GSWB: 1089656 TCWB: 1089690
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Dempning

Frekv. [MHz]	Demp. std [dB]	Demp. typ [dB]	RL std [dB]	RLtyp [dB]	NEXTst [dB]	NEXTtyp [dB]	PSNEXTstd [dB]	PSNEXT typ [dB]	ELFEXT std [dB]	ELFEXT typ [dB]
4	3,80	3,50	23,0	25,0	66,3	98,0	63,3	95,0	56,0	76,0
8	5,31	4,83	24,5	30,0	61,8	98,0	58,8	95,0	49,9	76,0
10	5,93	5,40	25,0	30,0	60,3	98,0	57,3	95,0	48,0	68,0
16	7,49	6,92	25,0	30,0	57,2	98,0	54,2	96,0	43,9	64,0
20	8,38	7,80	25,0	28,0	55,8	93,0	52,8	90,0	42,0	62,0
25	9,38	8,80	24,3	27,0	54,3	90,0	51,3	87,0	40,0	60,0
31,25	10,50	9,90	23,6	35,0	52,9	88,0	49,9	85,0	38,1	58,4
62,5	14,99	14,11	21,5	24,0	48,4	85,0	45,4	82,0	32,1	55,0
100	19,14	17,90	20,1	24,0	45,3	83,0	42,3	80,0	28,0	48,0
200	27,58	25,67	18,0	21,0	40,8	81,0	37,8	78,0	22,0	52,0
250	31,07	28,83	17,3	20,0	39,3	78,0	36,3	75,0	20,0	40,0
300	34,27	31,69	17,3	19,0	38,1	78,0	35,1	75,0	18,5	38,5
400	40,05	36,96	17,3	19,0	36,3	73,0	33,3	70,0	16,0	36,0
500	45,26	41,72	17,3	19,0	34,8	73,0	31,8	70,0	14,0	34,0

Versjon

Dato	Rev.	Beskrivelse
April 2019	1	Renewal DNV-GL
16.02.2022	2	Weight, dimension
16.10.2023	3	Rated voltage