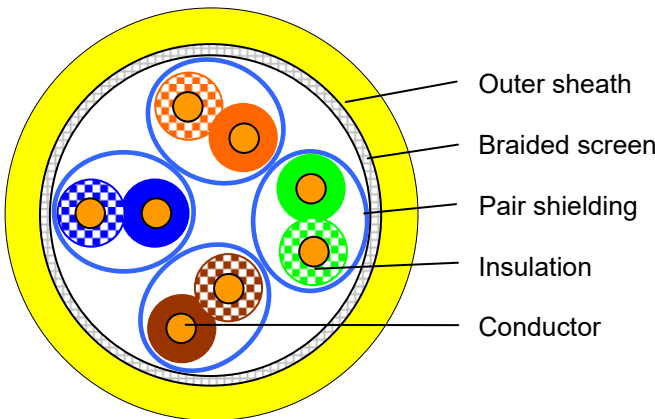


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TEXILine Cat 7 Marine 1000 DNV S/FTP Cat.7 1000 MHz 4x2xAWG 23/1 FRNC UV-resistant reinforced data-cable for transmission of analog and digital signals. Intended for installation in tough environments with high demands for both mechanical strength and electrical safety. Especially designed for shipboard and offshore installations. Approved by DNV	
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Konstruksjon <table><tr><td>Leder</td><td>AWG 23/1, blank</td></tr><tr><td>Isolasjon</td><td>SFS-PE skummet PE</td></tr><tr><td>Leder-diameter</td><td>1,38 ± 0,02 mm</td></tr><tr><td>Fargekode</td><td>IEC 708-1</td></tr><tr><td>Par-skjerm</td><td>Aluminiums-laminat</td></tr><tr><td>Skjerm</td><td>Fletting fortinnet kobbertråd 0,10 mm</td></tr><tr><td>Ytterkappe</td><td>Halogenfritt UV-bestendig materiale SHF1</td></tr><tr><td>Kappefarge</td><td>Gul, RAL 1021</td></tr><tr><td>Ytter-diameter</td><td>8,1 ± 0,2 mm</td></tr></table> Mekaniske egenskaper <table><tr><td>Temperaturområder</td><td></td></tr><tr><td>installert</td><td>-20°C til +75°C</td></tr><tr><td>under installasjon</td><td>0°C til +50°C</td></tr><tr><td>Bøyeradius</td><td>8 x diameter under installasjon 4 x diameter installert</td></tr><tr><td>max. tillatt strekk</td><td>140N</td></tr><tr><td>Brannlast</td><td>0,185kWh/m</td></tr><tr><td>Vekt</td><td>73kg/km</td></tr></table>	Leder	AWG 23/1, blank	Isolasjon	SFS-PE skummet PE	Leder-diameter	1,38 ± 0,02 mm	Fargekode	IEC 708-1	Par-skjerm	Aluminiums-laminat	Skjerm	Fletting fortinnet kobbertråd 0,10 mm	Ytterkappe	Halogenfritt UV-bestendig materiale SHF1	Kappefarge	Gul, RAL 1021	Ytter-diameter	8,1 ± 0,2 mm	Temperaturområder		installert	-20°C til +75°C	under installasjon	0°C til +50°C	Bøyeradius	8 x diameter under installasjon 4 x diameter installert	max. tillatt strekk	140N	Brannlast	0,185kWh/m	Vekt	73kg/km	Design <table><tr><td>Conductor</td><td>AWG 23/1, bare</td></tr><tr><td>Insulation</td><td>SFS-PE</td></tr><tr><td>Diameter</td><td>1,38 ± 0,02 mm</td></tr><tr><td>Colour code</td><td>IEC 708-1</td></tr><tr><td>Shielding Pairs</td><td>Plastic laminated aluminium foil</td></tr><tr><td>Shielding</td><td>Copper Wire 0,10</td></tr><tr><td>Jacket</td><td>Halogen free compound, UV resistant, SHF 1</td></tr><tr><td>Colour</td><td>Yellow, RAL 1021</td></tr><tr><td>Diameter</td><td>8,1 ± 0,2 mm</td></tr></table> Mechanical Data <table><tr><td>Temperatur Range</td><td></td></tr><tr><td>fixed</td><td>-20°C to +75°C</td></tr><tr><td>during installation</td><td>0°C to +50°C</td></tr><tr><td>Bending radius</td><td>8 x Diameter during installation 4 x Diameter fixed</td></tr><tr><td>max. tractive force</td><td>140N</td></tr><tr><td>Fire load</td><td>0,185kWh/m</td></tr><tr><td>Weight</td><td>73kg/km</td></tr></table>	Conductor	AWG 23/1, bare	Insulation	SFS-PE	Diameter	1,38 ± 0,02 mm	Colour code	IEC 708-1	Shielding Pairs	Plastic laminated aluminium foil	Shielding	Copper Wire 0,10	Jacket	Halogen free compound, UV resistant, SHF 1	Colour	Yellow, RAL 1021	Diameter	8,1 ± 0,2 mm	Temperatur Range		fixed	-20°C to +75°C	during installation	0°C to +50°C	Bending radius	8 x Diameter during installation 4 x Diameter fixed	max. tractive force	140N	Fire load	0,185kWh/m	Weight	73kg/km
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Elektriske egenskaper		Electrical Data			
Sløyfemotstand	max. 150 Ohm / km	Loop resistance	max. 150 Ohm / km		
Isolasjonsmotstand	min. 5 GOhm x km ved +20°C	Insulation resistance	min. 5 GOhm x km at +20°C		
Driftskapasitans	nom. 45 nF / km	Operating capacitance	nom. 45 nF / km		
Impedans ved 100MHz	100 Ohm ± 5 Ohm	Char. Impedance at 100MHz	100 Ohm ± 5 Ohm		
Test-spenning	700 V / AC	Test voltage	700V / AC		
Forplantnings-hastighet	ca. 0,79 c	Velocity of propagation	app. 0,79 c		
Signal tid	max. 425 ns/100m	Signal Term	max. 425 ns/100m		
Løpetid forskjell	< 8 ns/100m	Running time difference	< 8 ns/100m		
Demping	> 85 dB, Type 1	Coupling attenuation	> 85 dB, Type 1		
Koblingsmotstand	< 3 mOhm/m ved 10MHz, Grade 1	Transfer impedance	< 3 mOhm/m att 10MHz, Grade 1		
Skille-klasse	D	Separating class	D		
Transmisjonsegenskaper/ Transmission Performance :					
f in MHz	Demping/ Attenuation (dB/100m) nom.	NEXT (dB) nom.	ACR (dB/100m) nom.	ELFEXT (dB/100m) nom.	RL (dB) nom.
1	1,7	105	103	95	25
4	3,2	105	102	93	28
10	5,2	105	100	92	30
16	6,5	105	98	91	30
20	7,3	105	98	90	30
31,25	9,4	105	96	86	30
62,5	13,6	103	89	82	30
100	17,0	100	83	77	30
155	22,2	98	76	73	28
200	24,3	95	71	70	26
300	30,2	93	73	67	25
400	35,2	90	55	64	24
500	39,1	87	48	62	23
600	43,5	85	41	60	23
900	55,2	81	26	53	21
1000	58,1	80	22	50	20
Angitte verdier er typiske måleverdier					

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Bruksområder / Applications:

IEEE 802.3 : Ethernet 10Base-T ; Fast Ethernet 100Base-T ; Gigabit Ethernet 1000Base-T ; 10GBase-T
 IEEE 802.5 : ISDN ; FDDI ; ATM ; Cable sharing
 IEEE 802.3at : PoE, PoE+ suitable

Normer / Standards:

EN 50288-4-1 ; IEC 61156-5 ; EN 50173 ; EN 50174-2 ; ISO/IEC 11801 2. Rev

Brannegenskaper / Flame resistance:

EN 60332-1-2 ; EN 60332-3-22 ; EN 50399 ; EN 50575 ; EN 61034 ; EN 50267 ; IEC 60754-2 ; IEC 61034
 EN 13501-6 Klasse D_{Ca}-s1 d2 a1

Kjemiske egenskaper / Chemical Properties :

RoHS 2011/65/EU ; IEC 60811-2-1 (IRM 902, 4h at 70°C)

DNV-Sertifikat / DNV-Certificate :

TAE00003V0

Ytre kappe tekst / Printing Text:

VOKA-MLAN 1000 DNV S/FTP FRNC 4PR AWG 23/1 Cat.7 ISO/IEC 11801 DNV-Nr. TAE00003V0 IEC
 60332-3-22 IEC 60754-1/2 MM/JJ  xxxxx m

Subject to E&OE

Prepared by:	Documentnr.	Pages	Date	Approved by
Sch/	TDB 09-19/24	3	06.03.2025	OSBi