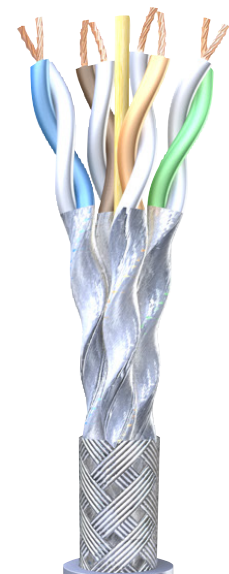
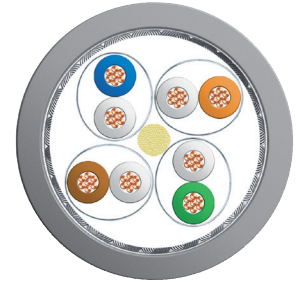


Armada® Cat7 <600 MHz> 24/7awg SU/FTP Marine Grade • GL

Cable Design

Conductor	Stranded Bare Cu-wire AWG 24/7
Insulation	Cellular PE
Diameter	1,40 mm
Pair assembly	2 cores twisted to a pair. 4 pairs total
Pair identification	wh-bu, wh-or, wh-gn, wh-bn
Pair Screen	Individual aluminium bonded polyester tape
Strain Relief	Aramid/Dielectric strain relief (approx. 400 N)
Braid	Tinned copper wire braid > 60% coverage
Outer Jacket	LSZH FireFighter® SHF-1, Grey
Diameter	Ø 9,10
Weight	85 kg/km



Application

Flexible installation on and below deck of commercial ships without constant exposure to oil, grease and other lubricants. GL approved

Standards

Applicable Standards	The cables meet the technical requirements of IEC 60092-359 as well as EN 5288-1 & -4-2. approved by GL and DNV
Flamability Rating	IEC 60332-1-2, IEC 60332-3-24, IEC 61034-1 & -2, IEC 60754-1 & -2, EN 50286-1 & -4-2

Specification

Part Number	Type
L45467-J415-C6	Cat7 4x2xAWG24/7 SU/FTP <600 MHz> SHF-1 GL DNV

Thermal & Mechanical Characteristics

Temperature range	during operation	-20 to +75	°C
	during installation	0 to +55	°C
Min. bending radius	during operation	5	x Ø
	during installation	10	x Ø

Electrical Characteristics

DC resistance	≤	84	Ω/km
Insulation resistance	≥	5	GΩ x km
Capacity nom.		42.5	nF/km
Operating voltage max.		125	V
Characteristic impedance [100 MHz]		100±5	Ω
Testing voltage (core/core)		1000	V at rms 50Hz 1min
Testing voltage (core/shield)		1000	V at rms 50Hz 1min

Frequency (MHz)	Attenuation (dB/10m)		NEXT (dB/10m)		ACR (dB/10m)		PS-NEXT (dB/10m)		PS-ACR (dB/10m)		EL-FEXT (dB/10m)		PS-ELFEXT (dB/10m)		RL (ffs) (dB/10m)	
	nom.	Cat7 max.	nom.	Cat7 min.	nom.	Cat7 min.	nom.	Cat7 min.	nom.	Cat7 min.	nom.	Cat7 min.	nom.	Cat7 min.	nom.	Cat7 min.
1	0.23	0.29	90	80	89.8	79.7	87	77	86.8	76.7	90		87			
4	0.4	0.55	90	80	89.6	79.4	87	77	86.6	76.4	90	80	87	77	25	23
10	0.63	0.85	90	80	89.4	79.2	87	77	86.4	76.2	90	74	87	71	30	24.5
16	0.79	1.08	90	80	89.2	78.9	87	77	86.2	75.9	90	69.9	87	66.9	30	25
20	0.91	1.21	90	80	89.1	78.8	87	77	86.1	75.8	85	68	82	65	30	25
31.25	1.13	1.52	90	80	88.9	78.5	87	77	85.9	75.5	83	64.1	80	61.1	28	23.6
62.5	1.61	2.17	85	75.1	83.4	72.9	82	72.5	80.4	70.3	73	58.1	70	55.1	25	21.5
100	2.07	2.78	81	72.4	78.9	69.6	78	69.4	75.9	66.6	64	54	61	51	24	20.1
155	2.63	3.5	78	69.6	75.4	66.1	75	66.6	72.4	63.1	59	50.2	56	47.2	24	18.8
200	3.07	4.01	76	67.9	72.9	63.9	73	64.9	69.9	60.9	57	48	54	45	24	18
300	3.81	5	73	65.3	69.2	60.3	70	62.3	66.2	57.3	52	44.5	49	41.5	24	17.3
600	5.23	7.33	68	60.8	62.8	53.4	65	57.8	59.8	50.5	46	38.4	43	35.4	21	17.3