

Name and address of manufacturer
 DSR Corporation, 7, Noksansaneopjung-ro, 192beon-gil, Gangseo-gu, Busan

Mooring line certificate

Completed by the manufacturer for each line supplied and verified by an independent inspector where required by the user. Summarises the performance and design of the actual line supplied as well as performance indicators and other supporting documentation and information for the design range. Demonstrates that the product has been manufactured, tested and documented following the guidelines in appendix B of the *Mooring Equipment Guidelines, Fourth Edition*.

We hereby confirm that the above mentioned product was released for delivery after inspection by a competent person

Manufactured according to:

ISO 9554:2010 (Fibre ropes - General specifications) & ISO 10556:2009 (Pet/Polyolefin dual fibres rope)

Tested according to:

Appendix B of the OCIMF Mooring Equipment Guidelines (MEG4) / ISO 2307 / CI 1500

Line(Rope) supply information

Ship design MBL	===	Cert No.	QMC1477
NSBF (if tested)	Not requested	Issue Date	2023-07-13
Diameter	48 MM	Order No.	QF2023
Length	220 MTR	Client	KAPTAN W/ROPE
Jacketed	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Vessel Name	===
Splice type and design	DSR SPLICED METHOD	PO NO. (L/C NO.)	===
Material type and grade	Polyester / Polyolefin dual fibres	B/No.	13- 72
Product Name	NEW D-FLEX ROPE		
Line construction	8-STRAND		
Rotating	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

Performance Indicators

OCIMF Mooring Equipment Guidelines, 4th
 Type Approval : 20-BK1965536-PDA
 Independent inspection agency : ABS



Line Design Break Force	45.2 TON					
Line Linear Density	1.18 kg/m					
Load Bearing Linear Density	1.18 kg/m					
Line Tenacity	Measured	Maximum(T/kg/m)		Maximum(kN/g/m)		
	38.3 T/kg/m	38.3 T/kg/m		0.39 kN/g/m		
	D/d Ratio : 5	D/d Ratio : 10				
Angled Break Force	91%	98%				
Angled Endurance	99%	100%				
<i>Note. ABF and AE tests are conducted without Chafe Guard</i>						
Temperature % BF at 20°C Mixed Polyolefin	-20°C	0°C	20°C	40°C	60°C	80°C
	133%	110%	100%	96%	91%	74%
Temperature % BF at 20°C Mixed Polyolefin and Polyester	119%	111%	100%	92%	86%	85%
	Axial Compression Resistance: 102%					
Average Immediate Strain(e)	%LDBF:10	%LDBF:20	%LDBF:30	%LDBF:40	%LDBF:50	
	1.19	2.22	3.22	4.13	5.02	

: Performance indicators are tested on 40mm diameter mooring line

Line description	Termination
NEW D-FLEX 8S/T 48MM x 220M	1.8MTR SOFT EYE AT BOTH ENDS

