

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 fibre 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.	TMC1305 - 86
NSBF (if tested)	Not requested	Issue Date	2023-05-11
Diameter	52 MM	Order No.	TF2012
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		
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	52.7 TON					
Line Linear Density	1.35 kg/m					
Load Bearing Linear Density	1.35 kg/m					
Line Tenacity	<b>Measured</b> 39.03 T/kg/m		<b>Maximum(T/kg/m)</b> 39.11 T/kg/m		<b>Maximum(kN/g/m)</b> 0.39 kN/g/m	
	<b>D/d Ratio : 5</b>		<b>D/d Ratio : 10</b>			
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	<b>-20 °C</b>	<b>0 °C</b>	<b>20 °C</b>	<b>40 °C</b>	<b>60 °C</b>	<b>80 °C</b>
Mixed Polyolefin	133%	110%	100%	96%	91%	74%
Mixed Polyolefin and Polyester	119%	111%	100%	92%	86%	85%
Axial Compression Resistance	102%					
Average Immediate Strain(e)	<b>%LDBF:10</b>	<b>%LDBF:20</b>	<b>%LDBF:30</b>	<b>%LDBF:40</b>	<b>%LDBF:50</b>	
	1.19	2.22	3.22	4.13	5.02	

: Performance indicators are tested on 40mm diameter mooring line

#### Line description

NEW D-FLEX ROPE 8S/T 52MM x 220M

#### Termination

1.8MTR SOFT EYE AT BOTH ENDS

