

ACERA DAGAMA 22MM/26MM 220M WHITE PES COVER 2X1,8M SUPEREYE

Product group: **322** Product number: **410419**

Acera daGama is a 12 strand HMPE rope with a 24 braided PES cover and the unique super eye with mesh and hollow braided protection.



Product information

The Acera daGama construction offers a tough HMPE rope solution, with full cover braid protection. This biologically inert product offers protection to the 12-strand HMPE core, with a tight 24 braided PES cover braid layer -- bonded together using an exclusive adhesive coating. Every yarn, both in the core and the cover are individually coated through our unique, rotating 360° Lick-roller process. Single yarn coating extends service life, strength and internal / external abrasion resistance. This floating product is ideally suited to single drum winching. This is an adaptable product, which can be customised to suit your intended application.

Features

- 12 strand plaited HMPE rope, with 24 braided PES cover
- Buoyant
- Single yarn coating
- 7 times lighter than steel and 60% lighter than conventional fiber rope
- Excellent UV resistance
- Excellent eye protection with y-connection

Benefits

- Easy to handle
- High abrasion resistance
- No rotation under load
- High construction stability
- Increased rope service lifetime
- Low elongation and 0% water absorption
- Customisable towards different applications
- Resistant to external damage and particle ingress

Specification

General

Invent Hazard Material (IMO/EU) classification	NA
Material type and grade	Acera H16 (HMPE), HT PES

Physical properties

Colour	White cover with 3 black marking yarns
Construction	12-strand plaited core, 24-strand braided cover
Density [kg/m³]	0.973 (floating)
Elongation [%]	2-3% at break
Eyes	1.8m Supereye
Jacketed	true
Line Construction	12x1 braided core (braided cover)
Line Linear Density (LLD)	0.432 kg/m
Line Tenacity (LT) Maximum	162.9 t/kg/m
Line Tenacity (LT) Maximum (kN/g/m)	1.68 kN/g/m
Line Tenacity (LT) Measured	161.1 t/kg/m
Load Bearing Linear Density (LBLD)	0.254 kg/m
Melting point	145-150°C

NSBF (if requested)	Not requested
Rotating	false
Splice type and design	Tension (12S/Z)x1

Dimensions/Weight

Diameter [mm]	22
Inner Diameter [mm]	22
Length [m]	220
Outer Diameter [mm]	26

Technical data

Angled Break Force (ABF) % Avg NSBF D/d = 10	199.18 (99.59)
Angled Break Force (ABF) % Avg NSBF D/d = 5	184.68 (92.34)
Angled Endurance (AE) % Avg NSBF D/d = 10	86.00
Angled Endurance (AE) % Avg NSBF D/d = 5	60.04
Average Immediate Strain (e) %LDBF:10	0.20
Average Immediate Strain (e) %LDBF:20	0.42
Average Immediate Strain (e) %LDBF:30	0.62
Average Immediate Strain (e) %LDBF:40	0.82
Average Immediate Strain (e) %LDBF:50	1.01
Axial Compression Resistance (ACR)	93.16% Avg NSBF
Line Design Break Force (LDBF)	41.2
Oil content in fiber	<0.1%
Spliced MBL/LDBF [kN]	405
Temperature (T) % BF at 20°C 0C	110
Temperature (T) % BF at 20°C 20C	100
Temperature (T) % BF at 20°C -20C	111
Temperature (T) % BF at 20°C 40C	94
Temperature (T) % BF at 20°C 60C	86
Temperature (T) % BF at 20°C 80C	57
Unspliced MBL [kN]	450
Unspliced MBL [t]	45.8
Water absorption [%]	0%

Performance data

DNVGL	Y
SBA	N
Strength adjustment	10%
Var Range From	100%
Var Range To	105%

Approvals

Type Approved Product by DNV GL. This product is produced according to ISO 9554 and tested according to ISO 2307. Minimum Breaking Load (MBL) is according to ISO 10325 and verified by DNV GL.

Manufactured acc. to => ISO 9554:2010, ISO 10325:2009
 Tested acc. to => ISO 2307:2010, CI 1500A, DNVGL-CP-0100
 Type Approval No => TAK0000097

Documents

[Acera daGama - Use and Care Manual](#)

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