
FINELINE®
MARINE
SPEC
SHEET
2020

MATERIAL PROPERTIES

Dyneema®, the worlds strongest fiber™

Specific Gravity - .97 Melt Point - 144-152° **Tenacity 30 - 48 gpd**

Dyneema® fiber is one of the more common high performance fibers available on the market. Its high strength and low elongation and light weight make it the ideal braid for sheets, guys and control lines. It has excellent chemical resistance and UV resistance, although it tends to have a cover over the dyneema® fiber core, generally polyester, to increase its working life. The Dyneema® SK75, SK78, DM20 and SK99 yarn is the strongest fiber in our current range. Negatives in using Dyneema® fiber are the slippery nature of the fibre and the tendency to creep, i.e. Elongation under a prolonged load. Creep is much lower in SK78 and almost non existent in DM20.

VECTRAN™

Specific Gravity 1.41 Melt Point - 330° Tenacity - 23gpd

Vectran™ is a high performance fiber that is specifically designed for fixed load applications. It has a very high melting point and can withstand extreme temperatures, its high strength, low elongation and very low creep makes it ideal for Halyards. It has excellent cut resistance and has low moisture absorption. Its U.V stability is poor, however its abrasion and cut resistance is much superior to polyester .

DYNICE™

Specific Gravity Melt Point -144°-152°

Dynice™ is a urethane coated heat set core made with Dyneema® fiber or Spectra core and can come in a variety of urethane colours. With the urethane coating Dynice™ has excellent U.V, abrasion resistance and very low elongation. It has excellent tension and bending fatigue surpassing that of steel at common working loads. Its high strength and low weight make it suitable for ropes used in yachting applications halyards, sheets or any other application where a high performance rope is needed. It is often used with an outer cover, normally polyester, to extend its working life. Although it is heat set, it does still creep under extended load.

POLYESTER (TERYLENE,DACRON)

Specific Gravity - 1.38 Melt Point - 260°c Tenacity - 8.5gpd

Polyester is the most commonly used material in our range. It is also available in a wide range of colours and weights, the most common weights are 250, 500, 1000 & 1500 denier. It is resistant to U/V rays and all colours are colourfast. Prolonged exposure in water has little or no lasting effects. It has good abrasion resistance, especially when twisted. However it can not be dyed using normal dyeing methods. It has low stretch and used in all 5 & 6 series, sash cords, luff cords, HJ series and yacht braids; it is suitable for Halyards, Sheets, Reefing lines and control lines on cruising boats.

POLYPROPYLENE

Specific Gravity - .91 Melt Point - 165° Tenacity - 7.8gpd

Polypropylene is a light weight material that is used throughout the marine industry for rescue lines and anything else that requires a light weight floating rope. Its abrasion resistance is not equal to polyester and other yarns but it is U/V stabilised. It has excellent chemical resistance and does not retain water. It is good as a multipurpose rope but loses strength under heavy shock loads, it can be used for rescue lines and other general purpose uses.

NYLON (POLYAMIDE)

Specific Gravity - 1.14 Melt Point - 250° Tenacity - 8.9gpd

Nylon has a higher strength than polyester but also has more elongation. It tends to be used for fixed applications such as mooring lines or sea anchors. It has excellent abrasion resistance but tends to harden as the rope gets more worn. It can also be dyed using acid dyes.

TECHNORA (ARAMID)

Technora is a aramid fiber in the same family as kevlar. It is however more flexible, available undyed with a marine finish to improve abrasion resistance or matt black to improve UV resistance. Ideal when blended with polyester for ultra performance covers.

KEVLAR (ARAMID)

Specific Gravity -1.44 Melt Point -Chars at +450°

The original high tech fiber, it has exceptional strength for a low weight fibre that can be up to 5 times stronger than steel on an equal weight basis. Kevlar is extremely heat resistant and has exceptional cut resistance; it is used in bullet proof vests for this reason. It is unaffected by water and is also used in the construction of mooring lines and elevator cables. It has little creep and low elongation and is best kept away from alkaline conditions or exposed to chlorine. The main negatives is poor point loading and poor U.V resistance.

MATERIAL CODES

All products are coded with the construction/material makeup followed by the finished diameter size. (Excluding sash cord).

Y	Yacht braid construction
C	Basic braid construction
R	Recovery - Factory overbraiding existing cores
RRJ	Replacement cover with internal mouse line
D	**Dyneema®** is a registered trade mark of Royal DSM N.V
J	**Polyester**
P	**Polypropylene**
BK	**Spun Polyester**

N	**Nylon**
V	**Vectran®** is a registered trade mark of Kuraray America Ltd.
T	**Technora®** is a registered trade mark of Teijin BV.
X	**Dynice 75®** is a registered trade mark of Hampidjan.
XS	**Dynice DUX 75®** is a registered trade mark of Hampidjan.
A	**Kevlar®** is a registered trade mark of Du Point USA.
O	**PBO Zylon ®** is a registered trade mark of Toyobo Co.
FX	**Utherane coated Dyneema**

EXAMPLE **YJTD12**

Y = Yacht braid construction
JT = Polyester & Technora Blend
D = Dyneema core
= 12.0mm diameter

Break loads achieved in Laboratory conditions, Safe working loads depend on application.

GENERAL BRAIDS

FINELINE® MARINE

5 SERIES

Product	Size	Spool	Approx B/Load (kg)	Weight /100mts (kg)
CJ505	0.5 mm	100/1000m	10	0.33
CJ510	1 mm	100/1000m	35	0.10
CJ515	1.5 mm	100/1000m	50	0.16
CJ520	2 mm	100/1000m	100	0.27
CJ525	2.5 mm	100/1000m	130	0.42
CJ530	3 mm	100/300m	200	0.60
CJ535	3.5 mm	100/500m	350	0.81
CJ540	4 mm	100/300m	390	1.13
CJ545	4.5 mm	100/400m	425	1.28
CJ550	5 mm	100/300m	565	1.57
CJ560	6 mm	100/200m	600	2.36

POLYESTER

8 Plait construction, high tenacity UV stabilised polyester core and cover. Solid white, black and colours.

Applications - General purpose, tying and whipping, Lacing cord, Blind draw cord, mouse line, leech line.

6 SERIES

Product	Size	Spool	Approx B/Load (kg)	Weight /100mts (kg)
CJ610	1 mm	100/1000m	25	0.63
CJ615	1.5 mm	100/1000m	50	0.16
CJ620	2 mm	100/1000m	75	0.27
CJ623	2.3 mm	100/1000m	123	0.36
CJ625	2.5 mm	100/1000m	200	0.49
CJ630	3 mm	100/500m	240	0.63
CJ635	3.5 mm	100/500m	275	0.80
CJ640	4 mm	100/300m	400	1.34
CJ645	4.5 mm	100/300m	425	1.41
CJ650	5 mm	100/300m	520	1.83
CJ660	6 mm	100/200m	650	2.40

POLYESTER

16 Carrier smooth construction, high tenacity UV stabilised polyester core and cover. Solid white, black and colours.

Applications - General purpose, tying and whipping, mouse line, Blind draw cord, leach line.

SASH CORD

Product	Size	Spool	Weight /100mts (kg)
No.3	3 mm	150m	0.57
No.4	3.5 mm	150m	0.72
No.5	4 mm	150m	1.20
No.5 HL	4 mm	150m	1.21
No.6	6 mm	150m	2.50
No.7	6.4 mm	150m	2.84
No.8	7 mm	150m	3.27
No.9	7.8 mm	150m	4.11
No.10	9 mm	100m	5.31

POLYESTER

Solid braid construction high tenacity UV polyester, excellent general purpose braid available in solid black and white. Not suitable for high loads., Although excellent for Sash Windows.

Easy for knotting and unknotting.

Applications - Window sash cord, motor starter cord.

GENERAL MARINE

FINELINE® MARINE

DOCKLINE

NYLON 10-24MM

PRO SPLICE

POLYESTER 18-22MM

Product	Size	Spool	Approx B/Load (kg)	Weight /100mts (kg)
YN10	10mm	100m	2000	6.00
YN12	12mm	100m	2800	9.05
YN14	14mm	100m	4200	12.5
YN16	16mm	100m	6000	15.3
YN18	18mm	100m	6500	20.0
YN20	20mm	100m	7500	22.0
YN24	24mm	100m	8200	32.4
PS18	18mm	100m	4242	12.5
PS20	20mm	100m	4671	14.3
PS22	22mm	100m	5019	16.61

NYLON 10-24MM

100% UV Stabilized nylon, black outer cover, high elongation, easy to splice and handle. Available in cut lengths on request for larger sizes.

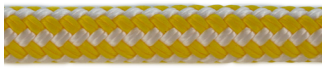
* Tested with both ends spliced

POLYESTER 18-22MM

Constructed from a highly twisted polyester with no core, Pro splice has high elongation and flexibility.

Applications - Mooring, Anchoring, Docking.

LITE LINE



Product	Size	Spool	Approx B/Load (kg)	Weight /100mts (kg)
YP6	6mm	100m	550	2.00
YP8	8mm	100m	750	3.60
YP10	10mm	100m	1200	5.20
YP12	12mm	100m	1500	6.80

POLYPROPYLENE

100% multi filament polypropylene. Floating rope. Same construction as classic yacht braid. Not suitable for shock loading.

Applications - Lite tow line, general purpose sailing dingy line.

LUFF CORD

Product	Size	Spool	Weight /100mts (kg)
CJ632HL	3.2mm	500m	0.76
CJ640HL	4mm	300m	1.21
CJ648HL	4.8mm	300m	1.73
CJ657HL	5.7mm	300m	2.65
CJ664HL	6.4mm	300m	2.98
CJ680HL	8mm	200m	4.90
CJ910HL	10mm	200	7.00
CJ913HL	13mm	100m	9.5

POLYESTER

Tightly picked 100% polyester braid, extremely rigid for use in sail making luff cord.

Special sizes made to order.

HJ SERIES

Product	Size	Spool	Weight /100mts (kg)
HJ8	8mm	100m	2.44
HJ10	10mm	100m	3.19
HJ12	12mm	100m	5.27
HJ14	14mm	100m	7.30
HJ20	20mm	100m	12

POLYESTER

Braided high tenacity UV stabilised polyester without a core, perfect for horse/dog leads etc, and a low cost winch braid. White and colours on request. Easy to splice.

Applications - Dog, horse leads, Inflatable boat soft grip handles. Light load winch rope and Fender lines.

DINGHY
ADVANTAGE

FINELINE® MARINE

ADVANTAGE

Product	Size	Spool	Approx B/Load (kg)	Weight /100mts (kg)
CJD620 16C	2mm	100m	240	0.36
CJD630 16C	3mm	100m	300	0.60
YJD4 16C	4mm	100m	600	1.2
YJD5 16C	5mm	100m	850	1.6
YJD6 16C	6mm	100m	1500	2.7

High performance Dyneema® fiber SK78 core and 100% high tenacity polyester cover. Double braid construction with high strength and low stretch. 12 Carrier core - 16 Carrier cover.

Applications - Halyards, Sheets, Control Lines, Vang, Reefing and furling systems, Out/downhaul.

ADVANTAGE +

Product	Size	Spool	Approx B/Load (kg)	Weight /100mts (kg)
YJD4+	4mm	100	600	1.2
YJD5+	5mm	100	850	1.6
YJD6+	6mm	100	1500	2.7

High performance Dyneema® fiber SK78 core and 100% high tenacity polyester cover.

Urethane coated core which includes Titanium dioxide particles to help improve cut resistance and abrasion plus increased UV protection.

ADVANTAGE X

20% more strength over SK78

3mm

4mm & 5mm

Product	Size	Spool	Approx B/Load (kg)	Weight /100mts (kg)
YJTD3 PRO 99	3mm	100	445	.62
YJTD4 PRO 99	4mm	100	738	1.15
YJTD5 PRO 99	5mm	100	1200	1.67
YJTD6 PRO 99	6mm	100	2036	2.75

Ratios's
3mm - 75% Technora / 25% Polyester
4mm - 42% Technora / 58% Polyester
5mm - 60% Technora / 40% Polyester
6mm - 75% Technora / 25% Polyester

The World's strongest fiber.

Dyneema® fiber SK99 core and 100% high tenacity polyester cover.

Urethane coated core which includes Titanium dioxide particles to help improve cut resistance and abrasion plus increased UV protection.

ABOUT DYNEEMA® fiber
Simply the world's strongest fiber, 15 times stronger than steel wire kilo for kilo.
Dyneema® fiber is also lightweight and water-resistant, with a specific gravity of 0.97 meaning it also floats.
Other benefits include excellent chemical resistance and UV resistance.

ABOUT TECHNORA®
Technora is an aramid fiber in the same family as Kevlar. it is, however, more flexible and with an added marine finish has high abrasion resistance. Other properties include - High tenacity & modulus, Excellent abrasion & fatigue resistance, Excellent chemical & steam resistance, High thermal stability, Lower moisture regain than other para-aramids, Available natural and black.

DINGHY
ADVANTAGE

FINELINE®
MARINE

CONTROL 2.0

Product	Size	Spool	Approx B/Load (kg)	Weight /100mts (kg)
YPDD4	4mm	100	600	.86
YPDD5	5mm	100	850	1.45
YPDD6	6mm	100	1500	1.7

Designed with input from Olympic Gold Medalist and ETNZ Helmsman Peter Burling. High Strength Dyneema® fiber SK78 core with lightweight Dyneema® fiber polypropylene cover.

Ideal for kite sheets.

CL 4

Product	Size	Spool	Approx B/Load (kg)	Weight /100mts (kg)
CL4	4.0mm	100	1500	.82

12 Carrier Dyneema® fiber SK78 Coated single braid. Perfect for endless control lines. Cleats well and easy to splice.

SOFTLINE

Product	Size	Spool	Approx B/Load (kg)
SL6	6mm	100	600
SL8	8mm	100	900
SL10	10mm	100	1100

A blend of Spun polyester &polypropylene over a braided polyester core.

Cleats well, Ideally suited for hand held control lines.

MAINLINE 1.0

Product	Size	Spool	Approx B/Load (kg)	Weight /100mts (kg)
YJ6HL	6mm	100	700	3.02

A light non twisting mainsheet with a polyester core and polyester cover stocked only in Grey/white mottle

MAINLINE 2.0

Product	Size	Spool	Approx B/Load (kg)	Weight /100mts (kg)
YJT5.5HL	5.5mm	100	650	2.77

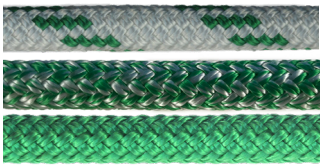
High wear Technora and polyester blended cover with Polyester core.

YACHTING

CRUSING / GENERAL MARINE

FINELINE® MARINE

CLASSIC



POLYESTER DOUBLE YACHT BRAIDS

Product	Size	Spool	Approx Spliced B/Load (kg)	Weight /100mts (kg)
YJ4	4mm	100m *	250	1.16
YJ5	5mm	100m *	400	1.60
YJ6	6mm	100m *	850	2.77
YJ8	8mm	100m *	1650	4.97
YJ10	10mm	100m *	2500	7.75
YJ12	12mm	100m *	3000	10.3
YJ14	14mm	100m *	4800	15.3
YJ16	16mm	100m *	6400	18.1
YJ18	18mm	100m	7000	23.6
YJ20	20mm	100m	7200	25.8
YJ22	22mm	100m	7400	29.2

Break loads shown are SPLICED breaks

Designed for the cruiser/racer, FINELINE™ polyester double braids are constructed using 100% high tenacity multifilament polyester yarn. High strength with low stretch, softer construction for ease of splicing, new easy identification 4 fleck colour coding, excellent UV and chemical resistance,

Applications - Sheets, halyards, down hauls, runners, reefing line and spinnaker guys.

* Also available in bulk
4 - 12mm up to 1000mtrs
14 - 16mm up to 400 mtrs

TRADITIONAL

Product	Size	Spool	Approx Spliced B/Load (kg)	Weight /100mts (kg)
YJ4	4mm	100m *	250	1.16
YJ5	5mm	100m *	400	1.60
YJ6	6mm	100m *	850	2.77
YJ8	8mm	100m *	1650	4.97
YJ10	10mm	100m *	2500	7.75
YJ12	12mm	100m *	3000	10.3
YJ14	14mm	100m *	4800	15.3
YJ16	16mm	100m *	6400	18.1
YJ18	18mm	100m	7000	23.6
YJ20	20mm	100m	7200	25.8
YJ22	22mm	100m	7400	29.2

Break loads shown are SPLICED breaks

YACHT BRAIDS

Designed for Classic boats, FINELINE™ "Traditional" is an alternative colour to white.

The cover is also available in all Fineline ranges in solid colour or with colour fleck.

* Lower levels held of stock, manufactured to order.

Bulk reels available

Applications - Sheets, halyards, down hauls, runners, reefing line and spinnaker guys.

YACHTING
HIGH PERFORMANCE

FINELINE® MARINE

ADVANTAGE

Dyneema® SK78 CORE / POLYESTER COVER

Product	Size	Spool	Approx B/Load (kg)	Weight /100mts (kg)
CJD620 16C	2mm	100m	240	0.36
CJD630 16C	3mm	100m	300	0.60
YJD4 16C	4mm	100m	600	1.2
YJD5 16C	5mm	100m	850	1.6
YJD6 16C	6mm	100m*	1500	2.7
YJD8	8mm	100m*	3300	4.65
YJD10	10mm	100m *	5108	6.8
YJD12	12mm	100m *	6600	9.5
YJD14	14mm	100m *	8200	13.5
YJD16	16mm	100m *	9000	15.5
YJD18	18mm	100m *	10000	21.5
YJD20	20mm	100m *	11000	23.2
YJD22	22mm	100m *	11800	26.0

Break loads shown are SPLICED breaks

High-performance, Dyneema® fiber SK78 core and 100% high tenacity polyester cover. Double braid construction with high strength and low stretch. Option to coat the core with a urethane coating which includes Titanium dioxide particles to help improve cut resistance and abrasion plus increased UV protection.

12 Carrier core - 24 Carrier cover.

8-24mm

• Available in traditional color

Applications - Halyards, Sheets, Control lines, Vang, Reefing and furling systems, Out/downhaul.

ADVANTAGE / TECH

2 X BLEND OPTIONS

Dyneema® SK78 CORE / TECHNORA POLYESTER COVER

GRAND PRIX (GP)

PRO

Colour Blends
Royal Blue / Red / Burnt Orange

Green / Fluro Yellow / Fluro Lime

Code	Size	Approx Spliced B/Load (kg)	PRO TECHNORA / POLY Approx %	GRAND PRIX TECHNORA / POLY Approx %
YJTD6	6mm	1500	Not available	75/ 25
YJTD8	8mm	3300	Not available	75/25
YJTD10	10mm	5108	50/50	80/20
YJTD12	12mm	6600	55/45	75/25
YJTD14	14mm	8200	45/55	80/20
YJTD16	16mm	9000	50/50	75/25
YJTD18	18mm	10000	50/50	75/25
YJTD20	20mm	11000	50/50	75/25

Break loads shown are SPLICED breaks

Dyneema® SK78 Core with UV stabilized Polyester and Technora blend cover.

Option to coat the core with a urethane coating which includes Titanium dioxide particles to help improve cut resistance and abrasion plus increased UV protection. For extreme load applications, Technora's high char point of >500 degree's ensures longer life than standard polyester.

Technora®

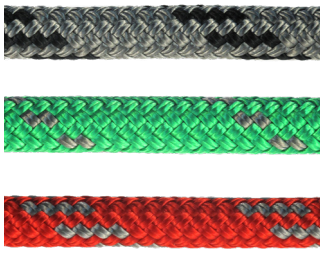
ABOUT Dyneema® fiber
Simply the world's strongest fiber, 15 times stronger than steel wire kilo for kilo.
Dyneema® fiber is also lightweight and water-resistant, with a specific gravity of 0.97 meaning it also floats.
Other benefits include excellent chemical resistance and UV resistance.

ABOUT TECHNORA®
Technora is an aramid fiber in the same family as Kevlar. it is, however, more flexible and with an added marine finish has high abrasion resistance.
Other properties include - High tenacity & modulus, Excellent abrasion & fatigue resistance, Excellent chemical & steam resistance, High thermal stability, Lower moisture regain than other para-aramids, Available natural and black.

YACHTING
HIGH PERFORMANCE

FINELINE® MARINE

PREMIER



VECTRAN® FIBER CORE / POLYESTER COVER

Product	Size	Spool	Approx B/Load (kg)	Weight /100mts (kg)
CJV620	2mm	100m	200	0.37
CJV630	3mm	100m	330	.66
YJV4	4mm	100m	650	1.3
YJV5	5mm	100m	1000	2.00
YJV6	6mm	100m	1700	2.9
YJV8	8mm	100m	3500	5.0
YJV10	10mm	100m	5000	7.6
YJV12	12mm	100m	6500	10.5
YJV14	14mm	100m	9000	15.5
YJV16	16mm	100m	10500	19.2
YJV18	18mm	100m	12000	23.6
YJV20	20mm	100m	13000	25.8
YJV22	22mm	100m	16000	27.9

Break loads shown are SPLICED breaks

Designed for the performance racer,

FINELINE™ Premier uses a liquid crystal polymer Vectran® core and 100% polyester high tenacity cover.

Option to coat the core with a urethane coating which includes Titanium dioxide particles to help improve cut resistance and abrasion plus increased UV protection.

Features • 12 Carrier Vectran® core

• 24 Carrier 100% high tenacity polyester.

Applications - Low stretch and zero creep make vectran ideal for halyards and other fixed load applications.

Vectran®

PREMIER / TECH
2 X BLEND OPTIONS

GRAND PRIX (GP)

PRO

VECTRAN® FIBER CORE / TECHNORA /POLYESTER COVER

Code	Size	Approx Spliced B/Load (kg)	PRO TECHNORA / POLY Approx %	GRAND PRIX TECHNORA / POLY Approx %
YJTV6	6mm	1700	Not available	75/ 25
YJTV8	8mm	3500	Not available	75/25
YJTV10	10mm	5000	50/50	80/20
YJTV12	12mm	6500	55/45	75/25
YJTV14	14mm	9000	50/50	80/20
YJTV16	16mm	10500	50/50	75/25
YJTV18	18mm	12000	50/50	75/25
YJTV20	20mm	13000	50/50	75/25

Break loads shown are SPLICED breaks

Vectran Core with UV stabilized Polyester and Technora blend cover.

Option to coat the core with a urethane coating which includes Titanium dioxide particles to help improve cut resistance and abrasion plus increased UV protection. For extreme load applications, Technora's high melt point of >500 degree's ensures longer life than standard polyester.

Technora® Vectran®

ABOUT VECTRAN FIBER

Vectran's golden fibers are noted for their thermal stability at high temperatures, high strength and modulus, low creep, and good chemical stability. They are moisture-resistant and generally stable in hostile environments.

XTREME PERFORMANCE

FINELINE® MARINE

HIGH PERFORMANCE

COVERS

CORE – DYNICE 75

Code	Internal Diameter Core (mm)	External Diameter (mm)	Approx B/Load (Ton)
YJX3	3.0mm	4.7	1.0
YJX4	4.0mm	6	2.0
YJX5	5.0mm	7.5	3.5
YJX6	6.0mm	8.8	4.2
YJX8	8.0mm	12	6.7
YJX10	10.0mm	15	10.7
YJX12	12.0mm	17.3	16.4
YJX14	14.0mm	20	21.8
YJX16	16.0mm	22.3	27.4

POLYESTER COVER DYNICE CORE

Polyester cover - Choice of solid colour or fleck.

UV Stabilized.

Choice of Dynice 75 or Dynice DUX 75 core

NOTE Non Stock item - lower strength by 10% if spliced. Larger diameter on request.

* See performance cores for Dynice specs

XTREME PERFORMANCE / TECH

GRAND PRIX (GP)

PRO

CORE

Code	Internal Diameter Core (mm)	External Diameter (mm)	Approx B/Load (Ton)	PRO TECH / POLY	GRAND PRIX TECH / POLY
YJTX3	3mm	4.7	1.0	N/A	75/25
YJTX4	4mm	6	2.0	N/A	80/20
YJTX5	5mm	7.5	3.5	N/A	75/25
YJTX6	6mm	8.8	4.2	50/50	75/25
YJTX8	8mm	12	6.7	50/50	80/20
YJTX10	10mm	13.5	10.7	55/45	75/25
YJTX12	12mm	17.3	16.4	55/45	75/25
YJTX14	14mm	20	21.8	50/50	75/25
YJTX16	16mm	22.3	27.4	50/50	80/20

Technora® BLEND COVER DYNICE CORE

For extreme load applications, Technora's high melt point of >500 degree's ensures longer life than standard polyester.

Two different blend options ensures the right mix for your application.

NOTE Non Stock item - lower strength by 10% if spliced. Larger diameter on request.

* See performance cores for Dynice specs

XTREME PERFORMANCE / VECT

GRAND PRIX (GP)

PRO

CORE

Code	Internal Diameter Core (mm)	External Diameter (mm)	Approx B/Load (Ton)	PRO TECH / POLY	GRAND PRIX TECH / POLY
YJVX3	3mm	4.7	1.0	N/A	75/25
YJVX4	4mm	6	2.0	N/A	80/20
YJVX5	5mm	7.5	3.5	N/A	75/25
YJVX6	6mm	8.8	4.2	50/50	75/25
YJVX8	8mm	12	6.7	50/50	80/20
YJVX10	10mm	15	10.7	55/45	75/25
YJVX12	12mm	17.3	16.4	55/45	75/25
YJVX14	14mm	20	21.8	50/50	75/25
YJVX16	16mm	22.3	27.4	50/50	80/20

BLEND COVER DYNICE CORE

For extreme load applications, Vectran's high melt point of >280 degree's ensures longer life than standard polyester.

Two different blend options ensures the right mix for your application.

NOTE Non Stock item - lower strength by 10% if spliced. Larger diameter on request.

* See performance cores for Dynice specs

CORES

FINELINE® MARINE

FX

Product	Diameter (mm)	Approx B/Load (kg)	Weight /100mts (kg)
FX1 (D2)	1	240	.11
FX1.5 (D3)	1.5	300	.17
FX2 (D4)	2	600	.28
FX3 (D5)	3	850	.47
FX4 (D6)	4	1500	.80
FX5 (D7)	5	2000	1.2
FX6 (D8)	6	3300	1.94
FX7 (D10)	7	5108	2.5
FX8.5 (D12)	8.5	6600	3.62

Break loads shown are SPLICED breaks

Dyneema® fiber CORE ONLY

12 carrier Dyneema® fiber SK78 braided core without cover.

Colour coated core that includes Titanium dioxide particles to help improve cut resistance and abrasion plus increased UV protection.

Applications - For use in sail making and structural systems, winch ropes and lashings.

V SERIES Vectran

Product	Diameter (mm)	Approx B/Load (kg)	Weight /100mts (kg)
V2	1.5mm	200	.15
V3	2.0mm	330	.23
V4	2.5mm	650	.38
V5	3.5mm	1000	.61
V6	4.5mm	1700	1.0
V8	6.5mm	3500	2.3
V10	8.0mm	5000	3.5
V12	10.0mm	6500	4.6
V14	12.0mm	9000	8.9
V16	14.0mm	10500	9.6
V18	16.0mm	12000	11.2
V20	18.0mm	13500	13.5
V22	20.0mm	16000	15.2

Break loads shown are SPLICED breaks

VECTRAN®

16 carrier Vectran® without cover. For Use in sail making and structural systems where braid is not exposed to U.V

Applications - Low stretch and zero creep make vectran ideal for halyards and other fized load applications.

DYNICE

Lower strength by 10% if spliced.

Larger diameter on request.

Weight & strength of 12 strand ropes
The ropes are impregnated with Duracoat to improve abrasion resistance and endurance.

DYNICE

Code	Diameter (mm)	Approx B/Load (Ton)	Weight /100mts (kg)
X1.1	1.1mm	130kg	76g
X 1.7	1.7mm	209kg	146g
X2.1	2.1mm	340kg	232g
X2.5	2.5mm	425kg	316g
X2.6	2.6mm	640kg	350g
X3	3mm	1.0	.8
X4	4mm	2.0	1.10
X5	5mm	3.5	1.61
X6	6mm	4.2	2.3
X8	8mm	6.7	3.8
X10	10mm	10.7	6.1
X12	12mm	16.4	9.3
X14	14mm	21.8	12.5
X16	16mm	27.4	16

DYNICE DUX

Code	Diameter (mm)	Approx B/Load (Ton)	Weight /100mts (kg)
XS5	5mm	4.8	2.27
XS7	7mm	7.5	3.75
XS9	9mm	10.9	5.4
XS11	11mm	16.6	8.3
XS13	13mm	22.8	11.2
XS15	15mm	28.8	14.4
XS16	16mm	37.2	18.6

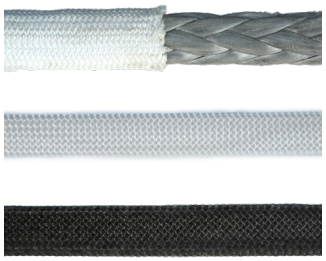
Pre-stretched braided rope with ultra high breaking strength
The Dynice Dux 75 is a new generation of ultra high performance ropes. It is far stronger than Dynice 75 by at least 20% up to 43% in the smaller diameters.

Applications - Halyards, runners, strops, high load purchase systems, Checkstays, Winch lines.

SLEEVING
PERFORMANCE

FINELINE® MARINE

SLEEVING



Product	Size	Spool	Approx B/Load (kg)	Weight /100mts (kg)
CD706 +	6mm	n/a	n/a	.40
CD708 +	8mm	n/a	n/a	.80
CD710	10mm	n/a	n/a	1.05
CD712	12 mm	n/a	n/a	1.29
CD713 *	12 mm	n/a	n/a	1.24
CD714	14mm	n/a	n/a	1.93
CD715 *	14mm	n/a	n/a	1.88
CD716	16mm	n/a	n/a	2.53
CD717 *	16mm	n/a	n/a	2.33
CD720	20mm	n/a	n/a	3.00
CD725	25mm	n/a	n/a	2.91
CD732	32mm	n/a	n/a	4.40

Dyneema® fiber

52 Carrier High performance Dyneema® fiber SK78 Tubular cover.

* Loose Gearing

+ 32 Carrier

(CD710 Black 32 Carrier)

Cut to length if required.

Applications - Chafe guard protection on spliced ends and high wear areas. Cover for uni stays.

SLEEVING

POLYESTER SLEEVING

Product	Size	Spool	Approx B/Load (kg)
CJ708 +	8mm	n/a	n/a
CJ710	10mm	n/a	n/a
CJ712	12mm	n/a	n/a
CJ713 *	12mm	n/a	n/a
CJ714	14mm	n/a	n/a
CJ715 *	14mm	n/a	n/a
CJ716	16mm	n/a	n/a
CJ717 *	16mm	n/a	n/a
CJ725*	25mm	n/a	n/a

POLYESTER

52 Carrier 100% polyester UV stabilized.

High twist.

* Loose pick

+ 32 Carrier

Available in Traditional and colours.

Non Stock item.

Applications - Low cost chafe guard.

SLEEVING

MARINE FINISH

MATT BLACK

Product	Size	Spool	Approx B/Load (kg)
CT708 +	8mm	n/a	n/a
CT710 +	10mm	n/a	n/a
CT712	12mm	n/a	n/a
CT713 *	12mm	n/a	n/a
CT714	14mm	n/a	n/a
CT715 *	14mm	n/a	n/a
CT716	16mm	n/a	n/a
CT717 *	16mm	n/a	n/a
CT725*	25mm	n/a	n/a

Technora®

52 Carrier Technora sleeving

Heat Resistant

Highly abrasion resistant.

* Loose pick

+ 32 Carrier

Applications - Chafe guard for high temperature applications.

FINELINE®
MARINE

SLEEVING SIZE CHART

Indication only

To Cover Size (mm)	Sleeving Size Code	To Cover Size (mm)	Sleeving Code Code
4.0	CD706-708	14.0	CD715
5.0	CD708	16.0	CD716
6.0	CD708	18.0	CD717-720
8.0	CD710	20.0	CD720
10.0	CD712	22.0	CD725
12.0	CD713	24.0	CD725-732

Vectran

To Cover Code	Sleeving Size Code	To Cover Size (mm)	Sleeving Code Code
D4/V4	CD704	D14/V14	CD713-714
D5/V5	CD704	D16/V16	CD715-716
D6/V6	CD706	D18/V18	CD716-717
D8/V8	CD708-710	D20/V20	CD720
D10/V10	CD710-712	D22/V22	CD725
D12/V12	CD712-713		

DYNICE DYNICE DUX

To Cover Code	Sleeving Size Code	To CoverCode	Sleeving Code Code
X3	CD704	XS5	CD708
X4	CD706	XS7	CD708-710
X5	CD708	XS9	CD710-712
X6	CD710	XS11	CD713
X8	CD712-713	XS13	CD714-715
X10	CD713-714		
X12	CD714-715		

FINELINE®
FIBERTECH

HIGH PERFORMANCE TORSIONAL & TENSION CABLES

OVERBRAIDING & RECOVERING

A division of Fineline Marine Limited

FINELINEMARINE.CO.NZ

OVERBRAIDING

Our Current range of machinery available for overbraiding in any material consists of,

- 24 Carrier large capacity.
- 48 Carrier horizontal with a caterpillar.
- 52 Carrier.

CABLES & SLINGS

MATERIALS

Fineline Fibertech cables use four types of core material, depending on the application:

Cores

- PBO
- Dyneema
- Vectran
- Kevlar

Kevlar, Vectran and Dyneema are primarily used for lower loads.

PBO is used for the higher loads/higher performance cables.

Covers

- PBO
- Dyneema
- Vectran
- Kevlar
- Technora
- Polyester - 20 Colour Options.

THE CONSTRUCTION PROCESS

- Both thimbles are set at the desired build length.
- The fibres are then taken off spools and continuously wound around the thimbles under tension. When the desired number of laps is reached the ends are terminated, forming a continuous loop bundle.
- The fibres are then wrapped in tape to minimize the diameter and give them UV and water resistance.
- Braiding then takes place. Depending on the cable application the cable is over-braided several times.
- Each braid is resin-coated together using a rubber based resin, allowing the cable to bend, stretch and be coiled up without losing its ridged format or its torque properties.
- The cable is then put back on the build pins and set to its build length for the resin to cure.

CAPABILITIES

Using the construction process detailed the following cables can be built:

- Torque cables (Top/down, Bottom/up, Tension luff cable).
- Runners.
- Bobstays.
- Head-stay strops etc.
- Torsional Lengths to 60mtrs
- Sling lengths to 110mtrs

BRAIDING

Our 48 carrier, advanced horizontal braiding machine is capable of braiding with any desired material from 4mm to 40mm in diameter. The Cables can get five over-braids done in one continuous go without stopping the machine. Automated caterpillar wheels keep the cable under continuous tension to allow this to happen.

FINELINE®

high performance cordage

Dealer

MADE IN
NEW ZEALAND