

# SPECIALIST FIBRE ROPES



## Polyester Covered Dyneema

### Construction

Core - 12 Strand Dyneema  
Cover - 32 Plait Polyester  
Treatment - Heat set/Pre-stretched/  
PU Core Coated

### Characteristics

Polyester provides wear and heat protection. Very low stretch, high strength Dyneema core. Light, stiff, good abrasion. Dyneema core melting point 147°C.

### Range

<b>Diameter</b>	1	1.5	2	3	4	5
<b>B/L (kg)</b>	70	110	280	450	700	1300
<b>Weight/100m</b>	0.1kg	0.14kg	0.35kg	0.6kg	1.1kg	1.7kg
<b>Reel Length</b>	200	200	200	200	200	200
<b>Floats</b>	No	No	No	No	No	No
<b>Melting Point °C</b>	220	220	220	220	220	220
<b>UV Resistance</b>	Good	Good	Good	Good	Good	Good
<b>Stretch</b>	Low	Low	Low	Low	Low	Low

<b>Diameter</b>	6	8	10	12	14	16	18	20	24
<b>B/L (kg)</b>	1800	3200	4200	5700	7800	12000	15000	17000	MTO
<b>Weight/100m</b>	2.5kg	3.5kg	5.2kg	8.8kg	10.2kg	12.5kg	16.6kg	19.5kg	-
<b>Reel Length</b>	200	200	200	200	200	200	200	200	-
<b>Floats</b>	No	No	No	No	No	No	No	No	No
<b>Melting Point °C</b>	220	220	220	220	220	220	220	220	220
<b>UV Resistance</b>	Good	Good	Good	Good	Good	Good	Good	Good	Good
<b>Stretch</b>	Low	Low	Low	V. Low	V. Low	V. Low	V. Low	V. Low	V. Low



## Polyester Covered Dyneema/PP

### Construction

Core - 12 Strand Dyneema/PP  
Cover - 24 Plait Polyester  
Treatment - Heat set/PU Core

### Characteristics

Polyester provides wear and heat protection. Low stretch core but medium strength due to less Dyneema.

### Range

<b>Diameter</b>	6	8	10	12
<b>B/L (kg)</b>	2000	2500	3500	4400
<b>Weight/100m</b>	3.4kg	4.5kg	6.3kg	9.8kg
<b>Reel Length</b>	200	200	200	200
<b>Floats</b>	No	No	No	No
<b>Melting Point °C</b>	220	220	220	220
<b>UV Resistance</b>	Good	Good	Good	Good
<b>Stretch</b>	Low	Low	Low	Low



## Dyneemalite

### Construction

Core - 12 Strand Dyneema  
Cover - 24 Plait Propylene  
Treatment - Heat set/PU Core

### Characteristics

Very light weight low stretch product. Commonly used in recreational applications.

### Range

<b>Diameter</b>	6	7	8	9
<b>B/L (kg)</b>	500	900	1800	2200
<b>Weight/100m</b>	1.7kg	2.3kg	3kg	3.6kg
<b>Reel Length</b>	200	200	200	200
<b>Floats</b>	Yes	Yes	Yes	Yes
<b>Melting Point °C</b>	180	180	180	180
<b>UV Resistance</b>	Good	Good	Good	Good
<b>Stretch</b>	Low	Low	Low	Low



## 12 Strand Vectran Covered

### Construction

Core - 12 Strand Vectran  
Cover - Polyester  
Treatment - Heat set/  
Pre-stretched/PU Coating

### Characteristics

Very low stretch, high stability. Easy to splice, low creep. Available in larger diameters.

### Range

<b>Diameter</b>	3	4	6	8	10	12
<b>B/L (kg)</b>	780	1010	1610	3000	4500	6500
<b>Weight/100m</b>	1.3kg	1.7kg	2.6kg	5kg	8.3kg	11kg
<b>Reel Length</b>	100	100	100	100	100	100
<b>Floats</b>	No	No	No	No	No	No
<b>Melting Point °C</b>	220	220	220	220	220	220
<b>UV Resistance</b>	Good	Good	Good	Good	Good	Good
<b>Stretch</b>	V. Low	V. Low	V. Low	V. Low	V. Low	V. Low



# SPECIALIST FIBRE ROPES



## Polyester Covered Kevlar

### Construction

Core - Twisted Kevlar  
Cover - 16 Plait Polyester  
Treatment - None

### Characteristics

Core - Very good resistance to heat.  
Low stretch, larger diameters available on request.

### Range

<b>Diameter</b>	3.5	4.5	5.5	6	8	10
<b>B/L (kg)</b>	580	680	840	1200	1500	3500
<b>Weight/100m</b>	1.1kg	1.5kg	2.3kg	2.5kg	4kg	7.1kg
<b>Reel Length</b>	200	200	200	200	200	200
<b>Floats</b>	No	No	No	No	No	No
<b>Melting Point °C</b>	220	220	220	220	260	260
<b>UV Resistance</b>	Good	Good	Good	Good	Good	Good
<b>Stretch</b>	Low	Low	Low	Low	Low	Low



## 12 Strand Dyneema

### Construction

Core - 12 Strand Dyneema  
Cover - NA  
Treatment - Heat set/  
Pre-stretched/PU Coating

### Characteristics

Very light weight, seven times stronger than steel. Very low stretch, easy to splice, low resistance to heat. Available in larger diameters.

### Range

<b>Diameter</b>	2	3	4	5	6	8	9	10	11	12
<b>B/L (kg)</b>	700	1000	2000	2400	3900	5300	7050	9300	10780	12320
<b>Weight/100m</b>	0.28kg	0.53kg	0.9kg	1.3kg	1.6kg	2.3kg	3.8kg	4.6kg	5.7kg	6.6kg
<b>Reel Length</b>	200	200	200	200	200	200	200	200	200	200
<b>Floats</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Melting Point °C</b>	147	147	147	147	147	147	147	147	147	147
<b>UV Resistance</b>	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
<b>Stretch</b>	V. Low	V. Low	V. Low	V. Low	V. Low	V. Low	V. Low	V. Low	V. Low	V. Low



## 12 Strand Vectran (LCP)

### Construction

Core - 12 Strand Vectran  
Cover - NA  
Treatment - Heat set/  
Pre-stretched/PU Coating

### Characteristics

Very good resistance to heat, very low stretch. Larger diameters available on request.

### Range

<b>Diameter</b>	2.5	3	4	5	6	8	10	12	14
<b>B/L (kg)</b>	576	910	1500	2200	3080	5750	10980	11950	14700
<b>Weight/100m</b>	5.9kg	8.6kg	17.8kg	21.2kg	27.8kg	33.8kg	68.0kg	86.4kg	107.4kg
<b>Reel Length</b>	200	200	200	200	200	200	200	200	200
<b>Floats</b>	No	No	No	No	No	No	No	No	No
<b>Melting Point °C</b>	330	330	330	330	330	330	330	330	330
<b>UV Resistance</b>	Average	Average	Average	Average	Average	Average	Average	Average	Average
<b>Stretch</b>	Low	Low	Low	Low	Low	Low	Low	Low	Low



## 12 Strand Technora/Kevlar

### Construction

Core - 12 Strand Technora/Kevlar  
Cover - NA  
Treatment - Heat set/  
Pre-stretched/PU Coating

### Characteristics

Very good resistance to heat, very low stretch. Larger diameters available on request.

### Range

<b>Diameter</b>	3	4	5	6	8	10	12
<b>B/L (kg)</b>	850	1700	2270	3120	4810	7650	10800
<b>Weight/100m</b>	6.8kg	13.7kg	18.2kg	25.1kg	38.8kg	61.6kg	86.6kg
<b>Reel Length</b>	200	200	200	200	200	200	200
<b>Floats</b>	No	No	No	No	No	No	No
<b>Melting Point °C</b>	330	330	330	330	330	330	330
<b>UV Resistance</b>	Average	Average	Average	Average	Average	Average	Average
<b>Stretch</b>	Low	Low	Low	Low	Low	Low	Low

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Vectran- is the trade mark of Kuraray USA  
Technora- is the trade mark of Teijin Aramid BV



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