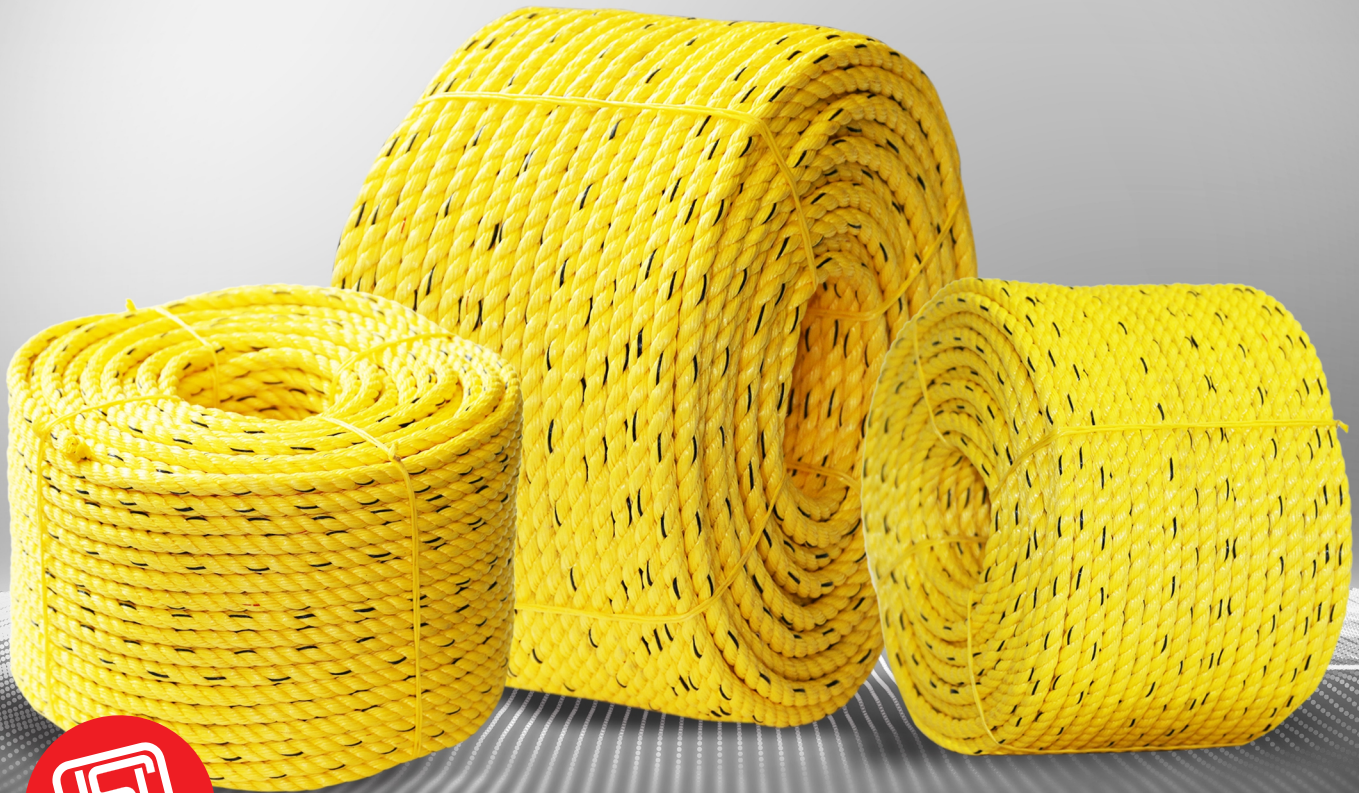




TUFROPES

DESIGNED TO OUTPERFORM



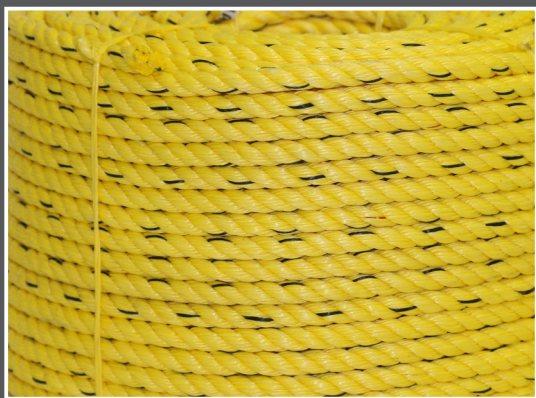
PP INDUSTRIAL ROPE

POLYPROPYLENE (PP) FILM ROPE

THE ULTIMATE
MULTI-UTILITY ROPE

PP INDUSTRIAL ROPE reflects TUFROPES commitment to bringing innovation to the submersible pumps business.

Light weight. High breaking strength.



PP INDUSTRIAL ROPE ADVANTAGE:

- UV resistant
- Lightweight
- High breaking strength
- Long lasting
- Resistant to rotting, mildew and marine organisms
- Unaffected by Acids and Alkalis
- Controlled elongation

PP INDUSTRIAL ROPE CONFORMS TO IS 5175-1992

Diameter		Circumference	Weight/220 Mtrs. Coil	Breaking Strength	Runnage
(mm)	(Inch)	(Inch)	(Kgs)	(KGF)	(Mtrs./Kgs)
4	5/32"	1/2"	1.63	214	135.00
6	1/4"	3/4"	3.67	602	60.00
8	5/16"	1"	6.60	1060	33.30
10	3/8"	1.1/4"	10.00	1560	22.00
12	1/2"	1.1/2"	14.50	2210	15.20
14	9/16"	1.3/4"	20.00	3050	11.00
16	5/8"	2"	25.50	3770	8.60
18	3/4"	2.1/4"	32.50	4810	6.80
20	13/16"	2.1/2"	40.00	5800	5.50
22	7/8"	2.3/4"	48.50	6960	4.50
24	1"	3"	57.00	8130	3.90
26	1.1/12"	3.1/4"	67.60	9410	3.30
28	1.1/8"	3.1/2"	78.00	10700	2.80
30	1.1/4"	3.3/4"	89.00	12220	2.40
32	1.5/16"	4"	101.00	13500	2.20
36	1.7/16"	4.1/2"	129.00	16930	1.70
40	1.5/8"	5"	158.00	20500	1.40
44	1.3/4"	5.1/2"	194.00	24640	1.13
48	2"	6"	229.00	28610	0.96
52	2.1/8"	6.1/2"	268.00	33110	0.82
56	2.1/4"	7"	312.00	37850	0.70
60	2.1/2"	7.1/2"	359.00	43280	0.61
Tolerance:					
4 mm to 8 mm			+/-10%		
10 mm to 14 mm			+/-8%		
16 mm and above			+/-5%		

NOTE:

- Standard coil length: 220 Mtrs.
- Safety factor: 1/6th of Minimum Breaking Load
- Tufropes reserves the right to review / alter product specifications
- Please contact us for more information regarding longer length, special colours, different packing or any other customised requirement

Applications:



Ropes for Submersible Pumps



Mooring and Towing Ropes



TUF WARRIOR Transportation Ropes



Lifting and Material Handling Ropes



Power Transmission Ropes



Safety Nets



TUFROPES
DESIGNED TO OUTPERFORM



Tel: +91-22-4050 2600 / 500



+91-22-6630 6418



contact@tufropes.com

25, Maker Chambers III, Nariman Point, Mumbai - 400 021

TUFROPES.COM



NEW

POWERLINE

TUF TRANSMISSION ROPES

MORE STRENGTH. MORE SAFETY.

MORE ECONOMY.

POWERLINE reflects TUFROPES commitment
to bringing innovation to the transmission tower business.

20% lower in weight. More efficiency.



POWERLINE ADVANTAGE:

- High tensile strength compared to normal PP rope.
- Offers qualities and technical properties of one size bigger diameter standard PP-IR rope.
- 15% to 22% lighter than normal PP rope.
- More flexible.
- Richer look.

COMPARISON SHEET OF POWERLINE (POLYOLEFINS FIBRE) ROPE V/S TUF PP-IR ROPE

POWERLINE ROPE PP Serrited Film Rope - 3-Strand Hawser-Laid (According to IS 14929-2001)				TUF PP-IR ROPE PP Serrited Film Rope - 3-Strand Hawser-Laid (According to IS 5175-1992)			
Nominaldia (Reference number)	Mass/ 220Mtr.	Linear breaking strength	Linear density	Nominaldia (Reference number)	Mass/ 220Mtr.	Linear breaking strength	Linear density
Mm	Min Kg	Kgf	Ktex	Mm	Min Kg	Kgf	Ktex
18	32.50	5800	148.00	20	40.00	5800	180.00
20	40.00	6960	180.00	22	48.50	6960	220.00
22	48.50	8370	220.00	24	57.00	8130	260.00
24	57.00	9450	260.00	26	67.60	9410	305.00
26	67.00	11025	305.00	28	78.00	10700	355.00
28	78.00	13050	355.00	30	89.00	12220	405.00
30	89.00	14850	405.00	32	101.00	13500	460.00
32	101.00	16930	460.00	36	129.00	16930	585.00

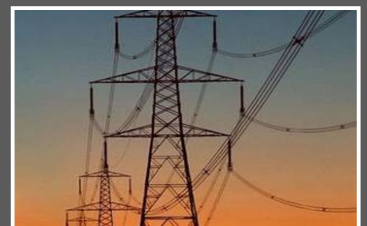
NOTE-26MM AND 30MM NOT COVERED IN IS14929
For Linear density and mass

Reference number 16 and above	Tolerance (+/- 5 percent)
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POWERLINE - INNOVATIVE FEATURES AND BENEFITS

- Higher strength to weight ratio.
- ISI -14929:2001 certified rope.
- Specifically designed on latest machinery to outperform in transmission/power sector.
- UV resistant.
- Easily knotable.
- 20% more breaking strength as compared to other ISI ropes of same size standard 5175:1992.
- Available in golden yellow colour.
- Higher safety factor.

Structure, Assembly and Errection of Transmission Towers



ROPE SPECIFICATIONS

8 STRAND & 12 STRAND ROPES

	Unit	Supertuf	Supertuf Plus	Nylotuf	Tufflex	Tufflex Plus	Tufflex Lite
Specific Gravity		0.92	0.92	1.14	0.97	0.98	0.96
Melting Point	°C	165	165	219	165/265	165/265	165/265
Dry / Wet	%	100	100	Dry/Wet	100	100	100
UV Resistance		Good	Good	Good	Good	Good	Good
TCLL Value	%	80.29	81.18	55.85	80.25	78.10	79.43



ROPE TRACEABILITY

Maintaining record is crucial for the safe use of mooring and towing ropes. All the ropes manufactured by Tufropes carry a unique Product Identification Code. It corresponds with the factory certificate number for each rope, providing an effective way of managing rope use and maintenance.

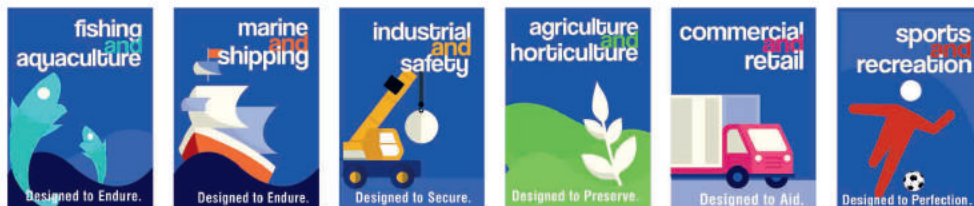


We have had the honour of serving

CLIENTS FROM 85 COUNTRIES

Over a 1000 customers worldwide trust us to help grow their business

PROVIDING LEADING EDGE SOLUTIONS IN



25, Maker Chambers III, Nariman Point, Mumbai - 400 021, India.

Tel: +91-22-40502600 | Fax: +91-22-22844167 | E-mail: contact@tufropes.com | WWW.TUFROPES.COM



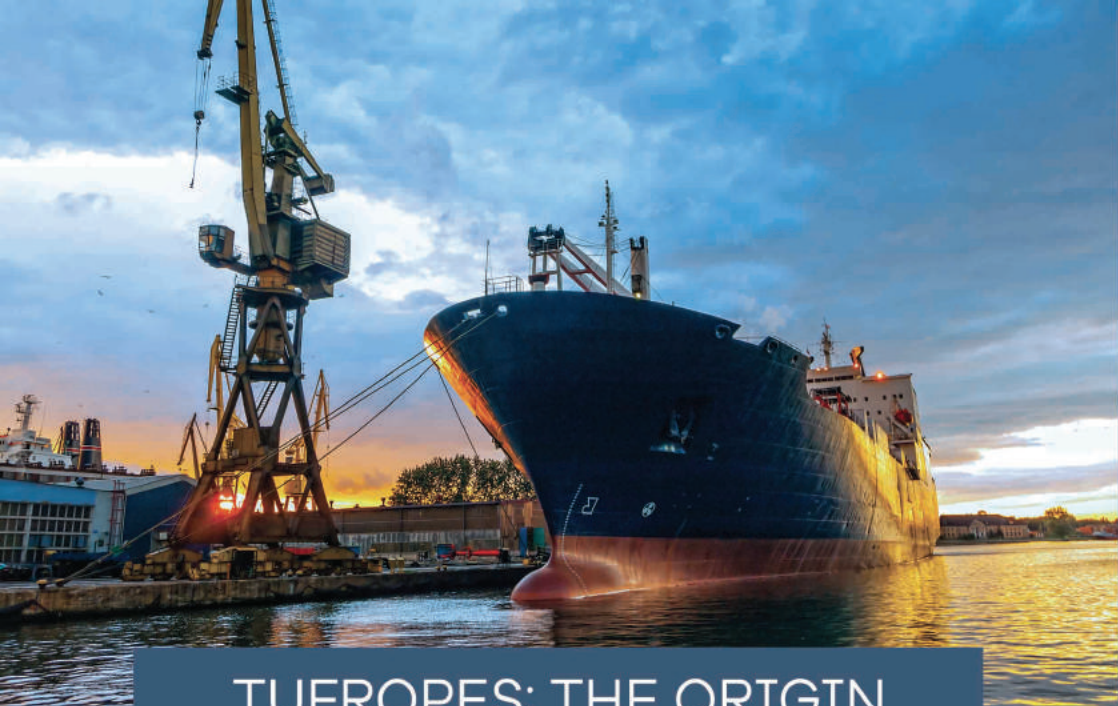
TUFROPES

DESIGNED TO OUTPERFORM



marine and shipping

Designed to Endure



TUFROPES: THE ORIGIN

Over the past twenty five years since inception, Tufropes has carefully engineered and manufactured its mooring ropes using an appropriate combination of raw materials, construction processes especially suited to Marine and Shipping applications. Our products allow for high strength, low stretch solutions across a variety of applications. Our products are designed specifically for rugged and outdoor use and withstand extreme weather conditions.

These are customized to suit many stringent applications for greater safety. Our offerings guarantee safe and cost-effective solutions which are suitable across the globe in a wide variety of industry segments including buoy mooring systems, tug and salvage lines, offshore working and lifting lines, ship and barge mooring lines, inland river lines, utility and winchlines, emergency tow packages and so on.

OUR CAPABILITIES SPEAK FOR THEMSELVES



Units spread over 5 locations in India and Vietnam.



We have a dedicated team of over 2000 trained personnel.



Our manufacturing strength allows us to produce 35000 MT of rope and netting a year.



Absolutely stringent quality checks in accordance with international standards, which have earned us several certifications including the ISO 9001:2015.



Tufropes caters to a vast array of industries and applications; these include Marine & Shipping, Agriculture, Fishing & Aquaculture, Industrial safety, Sports & Leisure and others.

WORLD MARKET LEADERS

LEADING SUPPLIER OF HIGH-QUALITY ROPES
TO SOME OF THE WORLD'S BEST BRANDS

With our wealth of experience and knowledge, Tufropes is uniquely placed to provide excellent technical support. When it comes to the design, development and engineering, our dedicated rope team has worked at the cutting edge of mooring technology for many years. Whatever the requirement, our commitment is to provide customers with a quality solution that meets individual needs.

MARITIME APPLICATIONS



DRY CARGO



WET CARGO



TUG & TOWING



CRUISE



DREDGING



FERRY BOATS

ENDURANCE TEST QUALITY CONTROL PROCESS

Yarn Development Checked for

- Breaking Strength
- Stability Under UV Radiation
- Elongation
- Denier
- Colour Shade

Rope Making Checked for

- Rope Balancing
- Rope Breaking Strength
- Length
- Weight



"Testbench facility built exclusively for synthetic fiber ropes with a force up to 300 tons"

Tested according to ISO 2307:2010

FEATURES & BENEFITS

- Excellent abrasion resistance
- Excellent strength
- Flexible, easy to handle and splice in use
- Ideal for auto winches and drums
- Non-rotating, torque-free round construction
- Fully UV stabilized with medium to low elongation in use
- Protected spliced eyes at each end
- Tremendous range of uses
- Wet strength equal to dry strength
- Flakes down easily and neatly

CERTIFICATIONS



ISO 9001:2015

THE ARSENAL

8-STRAND ROPES

SUPERTUF

High Tenacity PP Rope

Dia. MM	Cir. Inch	Weight Kgs. / 220M	Minimum Breaking Load KgF (kilogram-force)
40	5	158.00	26300
48	6	229.00	37500
56	7	312.00	53100
64	8	407.00	68700
72	9	515.00	86000
80	10	638.00	105800
96	12	917.00	150200
112	14	1254.00	203500
120	15	1430.00	232800
144	18	2068.00	324800

SUPERTUF PLUS

High Tenacity PP Rope

Dia. MM	Cir. Inch	Weight Kgs. / 220M	Minimum Breaking Load KgF (kilogram-force)
40	5	158.00	32200
48	6	229.00	44200
56	7	312.00	60700
64	8	407.00	77800
72	9	515.00	98500
80	10	638.00	123600
96	12	917.00	171100
112	14	1254.00	234000
120	15	1430.00	265500
144	18	2068.00	373700

NYLOTUF

Nylon Multifilament Rope

Dia. MM	Cir. Inch	Weight Kgs. / 220M	Minimum Breaking Load KgF (kilogram-force)
40	5	217.80	30700
48	6	312.40	42800
56	7	424.60	57100
64	8	554.40	73300
72	9	701.90	91500
80	10	866.80	111700
96	12	1249.60	156200
112	14	1698.40	212800
120	15	1951.40	243200
144	18	2816.00	347700

THE ARSENAL

8-STRAND ROPES

TUFFLEX

PP / Polyester Mixed Rope

Dia. MM	Cir. Inch	Weight Kgs. / 220M	Minimum Breaking Load KgF (kilogram-force)
40	5	195.00	30700
48	6	282.00	47200
56	7	378.00	64100
64	8	495.00	84100
72	9	627.00	103800
80	10	775.00	127700
96	12	1315.00	187800
104	13	1540.00	219200
120	15	2050.00	289600
144	18	2959.00	409000

TUFFLEX PLUS

High Tenacity PP / Polyester Mixed Rope

Dia. MM	Cir. Inch	Weight Kgs. / 220M	Minimum Breaking Load KgF (kilogram-force)
40	5	216.00	42900
48	6	310.00	62000
56	7	422.00	84600
64	8	552.00	107800
72	9	700.00	137400
80	10	862.00	167400
88	11	1045.00	201500
96	12	1243.00	238000
104	13	1459.00	279100
120	15	1943.00	364500

TUFLEX LITE

PP / Polyester Mixed Rope

Dia. MM	Cir. Inch	Weight Kgs. / 220M	Minimum Breaking Load KgF (kilogram-force)
40	5	174.00	29100
48	6	252.00	44400
56	7	343.00	59200
64	8	448.00	75900
72	9	566.00	91600
80	10	701.00	116000
96	12	1007.00	165500
104	13	1189.00	192800
120	15	1584.00	255100
144	18	2280.00	364600

THE ARSENAL

12-STRAND ROPES

SUPERTUF

High Tenacity PP Rope



Dia. MM	Weight Kgs. / 220M	Minimum Breaking Load KgF (kilogram-force)
10	10.01	1875
16	25.50	4600
24	57.20	10000
32	101.20	17100
40	158.40	26300
48	229.00	37500
56	312.40	53100
64	407.00	68700
72	514.80	86000
80	638.00	105800

TUFFLEX

PP / Polyester Mixed Rope



Dia. MM	Weight Kgs. / 220M	Minimum Breaking Load KgF (kilogram-force)
10	12.10	1980
16	31.02	5035
24	70.18	12000
32	124.30	20000
40	194.50	30000
48	281.60	46290
56	378.40	62800
64	495.00	82600
72	627.00	102000
80	774.40	125500

TUFFLEX LITE

PP / Polyester Mixed Rope



Dia. MM	Weight Kgs. / 220M	Minimum Breaking Load KgF (kilogram-force)
10	11.00	1900
16	28.16	4900
24	63.00	10800
32	111.00	18300
40	174.00	29100
48	252.00	44400
56	343.00	59200
64	448.00	75900
72	566.00	91600
80	701.00	116000

THE ARSENAL

OTHER ROPES

TIGER ROPE

3 Strand PP / PE Rope



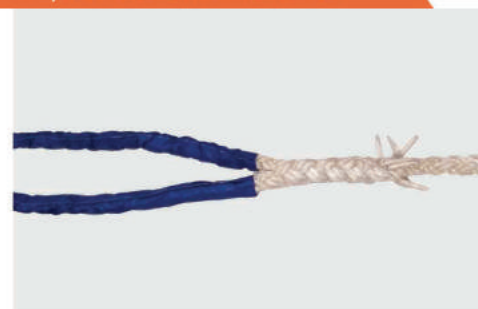
RING TAILS (TUFFLEX)

PP / Polyester Mixed Ring Tail

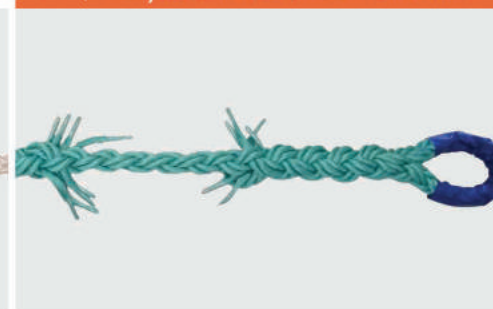


MOORING TAILS • NYLON TAILS • TUFFLEX TAILS

Nylon Multifilament Tail



PP / Polyester Multifilament Tail



WINCHLINE

Double Braided Rope

