

DONAGHYS winchline

Stealth® UHMwPE 12 strand braid

Made from high strength UHMwPE (Ultra High Molecular weight Polyethylene) fibres, Donaghys Winchline has a **very low elongation of 4% at break, and a tenacity of up to 15 times that of steel rope.**

Donaghys Winchline is also **eight times lighter and 70% stronger than steel wire rope.** Coated with Donaghys Armorcoat, this winchline rope braid has high abrasion resistance and can be customised with covers and fittings to suit specific applications. Its very light density allows the rope to float and it is very easy to handle in comparison to wire alternatives.

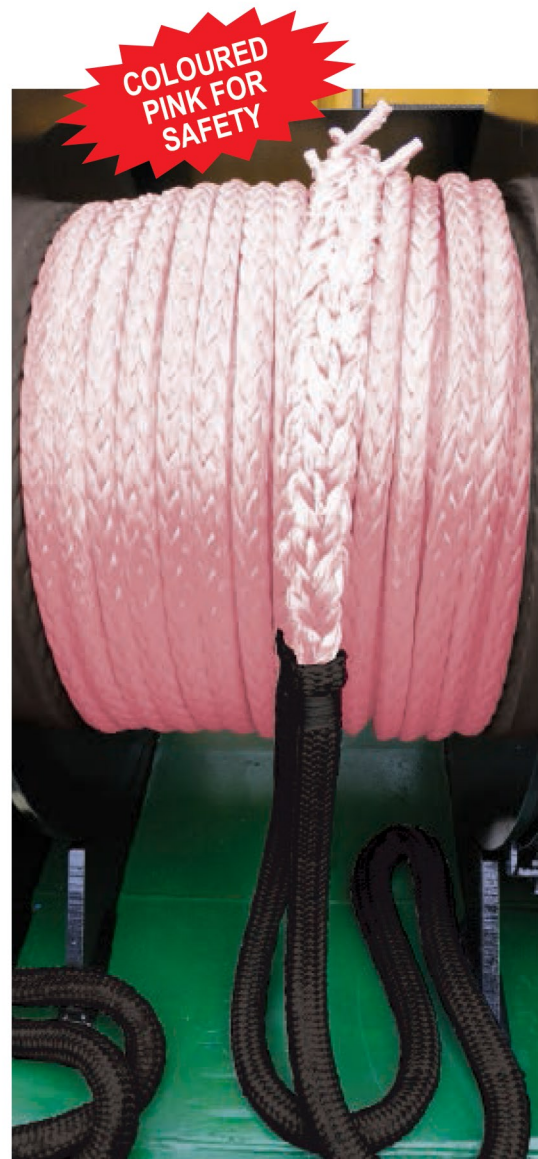
Range available: 1mm to 96mm, sold by the metre.

FEATURES

- 8 x lighter, 70% stronger than steel wire rope
- Low stretch
- Unique pink colour for safety
- High UV and chemical resistance
- Floats and will not absorb water
- High internal and external abrasion resistance
- Virtually no recoil in the unlikely event of failure
- Non rotational
- Easy to splice
- Abrasion resistant coating reduces likelihood of snagging and provides superior winch drum grip
- Maximum continuous length removes waste factors and enhances hauling/winch lines integrities
- High performance abrasion / heat resistant jackets available on request

APPLICATIONS

- Winch lines
- 4x4 Winch ropes
- Vehicle rescue/recovery
- Mining
- Logging applications
- Towing line
- Pulling/stringing lines



As a steel wire replacement Donaghys winchline is lighter, safer and stronger - for mining applications, industries and marine.

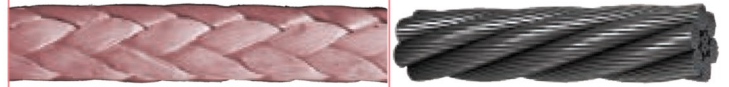


BEAVER BRANDS



RANGE

Winchline to Wire Rope Comparison

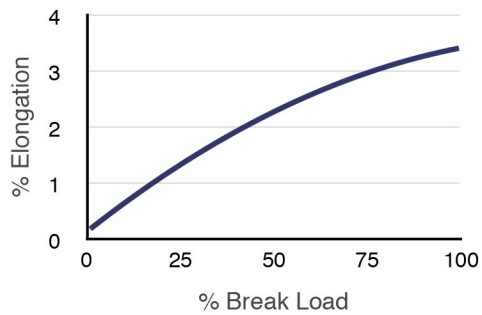


Product Code	Diameter (mm)	Break Force (Tonnes)	Max. Length app. Metres	Winchline Break Force (Tonnes)	Winchline Weight / 100m kgs	6x36 IWRC Wire Rope Grade: 1960 Break Force (tonnes)	6x36 IWRC Wire Rope Weight / 100m kgs
D4BRS14WAM	14	21.2	2250	21.2	10.5	14.0	80.2
D4BRS16WAM	16	26.0	1720	26.0	12.0	18.3	104.0
D4BRS18WAM	18	33.0	1360	33.0	17.0	23.0	132.0
D4BRS20WAM	20	38.8	1100	38.8	20.0	28.4	163.0
D4BRS22WAM	22	47.0	904	47.0	25.0	34.5	197.0
D4BRS24WAM	24	55.0	760	55.0	29.0	41.0	235.0
D4BRS26WAM	26	64.5	650	64.5	34.0	48.1	276.0
D4BRS32WAM	32	84.6	1189	84.6	52.0	72.9	418.0
D4BRS36WAM	36	106.0	939	106.0	60.0	92.2	531.0
D4BRS44WAM	44	157.0	629	157.0	81.0	138.0	793.0

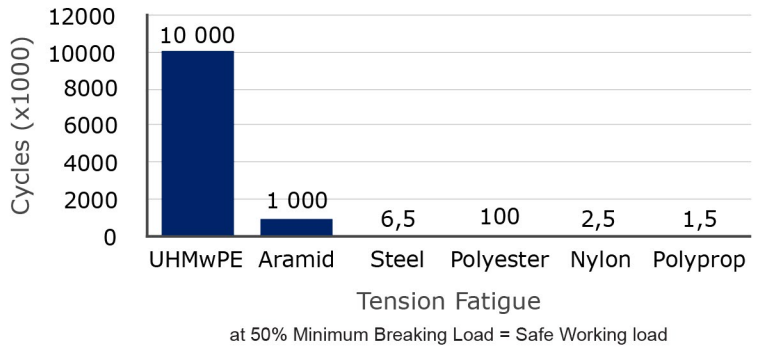
Note: Other sizes available on request.

TECHNICAL

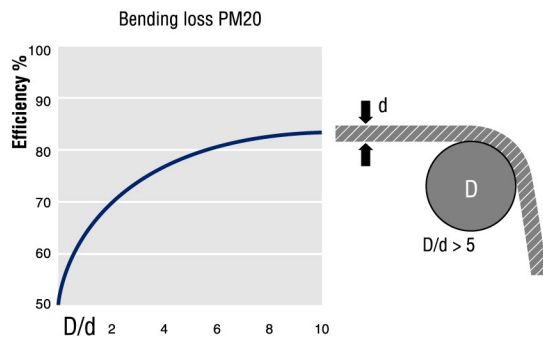
Elongation vs Break Load



Tension Fatigue



Rope properties; static bending



Bending fatigue

