

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 on a weight for weight basis, is 15 times stronger than steel wire rope.**

Donaghys Winchline is also **8 times lighter 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.

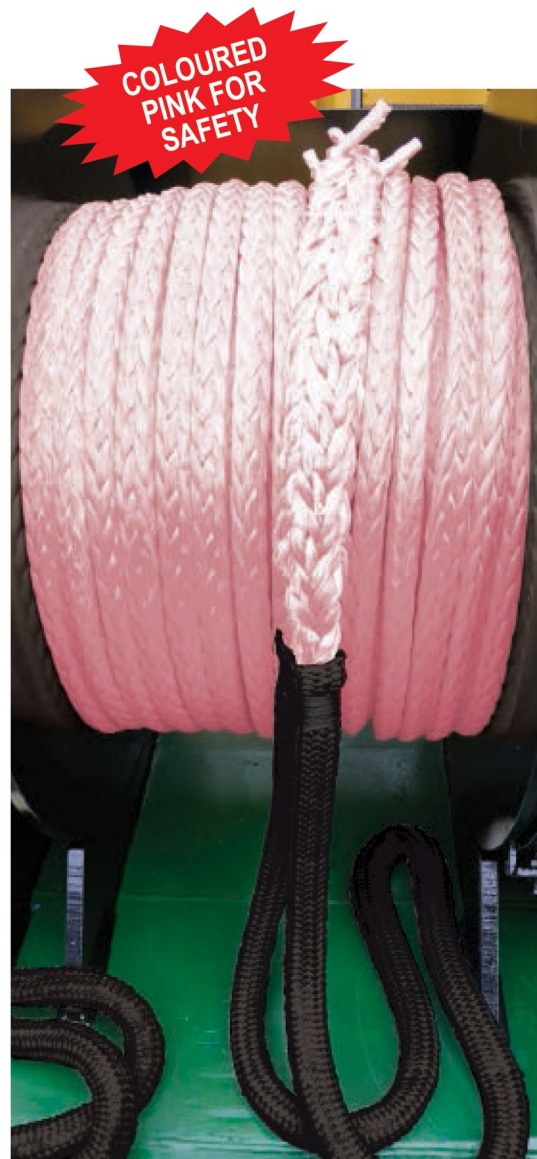
Range available: 1mm to 96mm, sold by the metre.

FEATURES

- 8 x lighter and on a weight for weight basis, is 15 times 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/winches integrity
- 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.



Winchline to Wire Rope Comparison



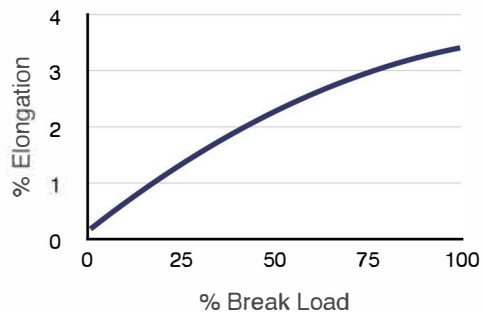
RANGE

Product Code	Diameter (mm)	Break Force (Tonnes)	Max. Length app. Meters	Winchline Break Force (Tonnes)	Winchline Weight / 100m kgs	6x36 IWRC Wire Rope Grade: 1960 Break Force (Tonnes)	6x36 IWRC Wire Rope Weight / 100m kgs
BRS09WAM	9	9.3	1025	9.3	4.0	5.8	33.2
BRS12WAM	12	17.0	3050	17.0	7.8	10.3	58.8
BRS14WAM	14	19.9	2250	19.9	10.5	14.0	80.2
BRS16WAM	16	26.1	1720	26.1	12.0	18.3	104.0
BRS18WAM	18	34.7	1360	34.7	17.0	23.0	132.0
BRS20WAM	20	45.3	1100	45.3	20.0	28.4	163.0
BRS22WAM	22	52.2	904	52.2	25.0	34.5	197.0
BRS24WAM	24	61.3	760	61.3	29.0	41.0	235.0
BRS26WAM	26	72.5	650	72.5	34.0	48.1	276.0
BRS32WAM	32	93.9	1189	93.9	52.0	72.9	418.0
BRS36WAM	36	118	939	118	60.0	92.2	531.0
BRS44WAM	44	174	629	174	81.0	138.0	793.0

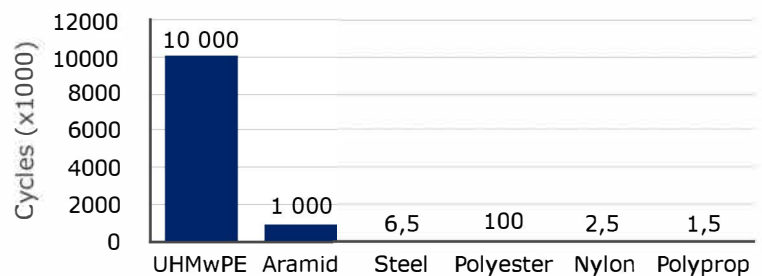
Note: Other sizes available on request.

TECHNICAL

Elongation vs Break Load



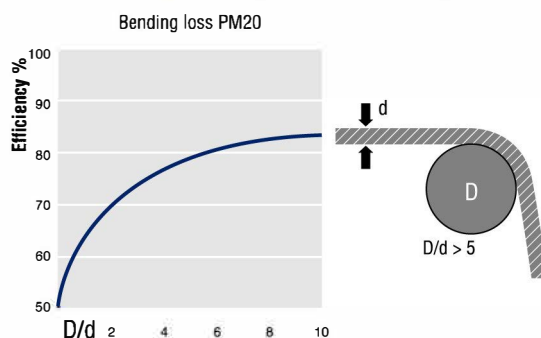
Tension Fatigue



Tension Fatigue

at 50% Minimum Breaking Load = Safe Working load

Rope properties; static bending



Bending fatigue

