Jeyflex 12x12 Strand HMPE

Jeyflex 12x12 is a 12-strand braided rope in which each of the 12 strands is, in turn, a 12-strand rope, or braided primary strand.
Jeyflex is manufactured from High Modulus Polyethylene (HMPE) and is designed to meet the need for high load applications where exceptionally low weight and flexibility are required in a cost driven environment.

Jeyflex has a specially formulated coating system to maintain flexibility for ease of handling and inspections, whilst not compromising on strength or durability. Jeyflex is resistant to kinking, maintains strength around tight bend radius and has low recoil making it safer than traditional steel rigging products.

The 12x12 construction optimises the ropes durability for demanding applications such as tug and barge towing and mooring lines. This design has long lay lengths, making the rope more flexible for bending applications, easy to inspection and handing, and can be quickly spliced using standard 12 strand splicing techniques.

Features

- 12x12 construction for higher abrasion resistance
- Repairable primary strands
- Highest strength to weight ratio of any fibre
- Low Creep
- High Chemical Resistance
- Safer than wire
- Very low elongation
- Easy to splice

Nominal Diameter		Size Circ.	Approximate Weight	Minimum Tensile Strength Spliced	Minimum Tensile Strength ISO Unspliced
Inch	MM	Inches	Kg/ 100m	Tonnes (Te)	Tonnes (Te)
1 5/8”	40	5”	92	131.0	145.4
1 3/4"	44	5 1/2"	114	157.0	174.3
2”	48	6”	130	181.0	200.9
2 1/8”	52	6 1/2"	159	201.0	223.1
2 1/4"	56	7”	180	230.0	255.3
2 1/2"	60	7 1/2"	219	268.0	297.0
2 5/8”	64	8”	237	320.0	355.0
2 3/4"	68	8 1/2"	268	360.0	399.6
3”	72	9”	317	400.0	444.0
3 1/8”	76	9 1/2"	348	450.0	499.5
3 1/4"	80	10”	381	500.0	555.0
4 1/4"	104	13”	760	850	943.5

*Other diameters available on request

Technical Information

Specific gravity	**.98***
Melting point	**150°C**
Critical temp.	**70°C**
Elongation at break	**3.5%**
Coefficient of friction	**0.09-0.12***
Floats/Sinks	**floats**
UV resistance	**moderate**
Wet abrasion	**superior**
Dry abrasion	**superior**

* value based on data supplied by the fibre manufacturer for new, dry fibre