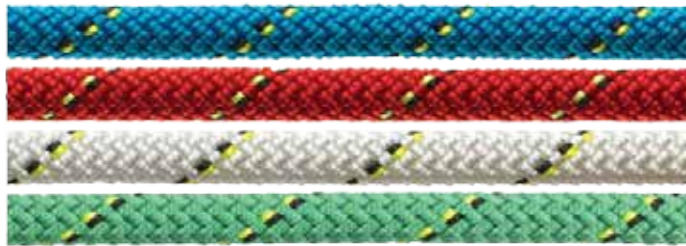


Marlow®

DATASHEET

D2 COMPETITION

D2 Competition has been developed specifically for the enthusiastic sailors and club racers wishing to take advantage of the high strength, low stretch benefits of Dyneema. D2 Competition is designed to bridge the gap between traditional polyester ropes such as Marlowbraid and high performance rope such as D2 Racing 78.



APPLICATIONS

Winch Lines, Mooring Lines (primary, temporary and transfer), LNG Mooring, Riser Tethers, Seismic arrays, Escort and ocean towing lines, Yacht Halyards, Yacht Sheets, Yacht Control Lines

MATERIAL

CORE:

Manufactured from Dyneema SK78
HMPE (High-Modulus Polyethylene)
Very light weight - 8x lighter than steel wire for a given strength
High strength - 70% stronger than steel wire for a given diameter
Low Stretch - see graph below
Good resistance to chemicals and UV
Zero water shrinkage
Very low creep HMPE fibre
Exhibits approximately 20% of the creep experienced by SK75. Further information available.

COVER:

Manufactured from Polyester
Good abrasion resistance, excellent UV resistance

CONSTRUCTION

12 STRAND BRAIDED

CORE CONSTRUCTION:

Optimised pitch to yarn twist - improves strength & longevity
Easy to splice
Flexible product and easily handled
Torque balanced

16 PLAIT BRAIDED

COVER CONSTRUCTION:

Protects load bearing core from dirt and abrasion
Round and firm construction

PROPERTIES

RELATIVE DENSITY:

Depends upon size. Typical value: 1.25

CHEMICAL RESISTANCE:

Excellent resistance to most chemicals (additional information available on request). Polyester cover susceptible to damage from very strong alkalis.

UV RESISTANCE:

Very good

MELTING POINT:

140°C

CRITICAL TEMPERATURE (CORE):

80°C (exposure to temperatures over this will result in permanent strength loss)