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Play

Technical Specifications

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Specifications for 18 mm Netform™ Rope

Netform 18 mm diameter rope is constructed of six high strength strands of polyester-jacketed steel wire cable laid over a three strand fiber core to form a durable yet flexible rope suitable for a range of applications.

18 mm Netform rope is highly resistant to moisture, chemicals, UV exposure and abrasion. A variety of aluminum and stainless steel joints and terminations are available to suit your unique needs.



Description

Type	Jacketed 6-strand Wire Rope
Rope Diameter	18mm (0.71 inch)
Model Numbers	RNF18SD, RNF18BK RNF18RD, RNF18BL
Colors	Sand, Black, Red, Blue

Outer Lay

Construction	1x19 galv. steel wire
Jacketed Strand Diameter	6 mm
Number of Strands	6
Jacket Material	Polyester fiber braid

Fiber Core

Fiber Core Diameter	7.8 mm
Number of Strands	3 (3.7 mm)
Material	Polypropylene

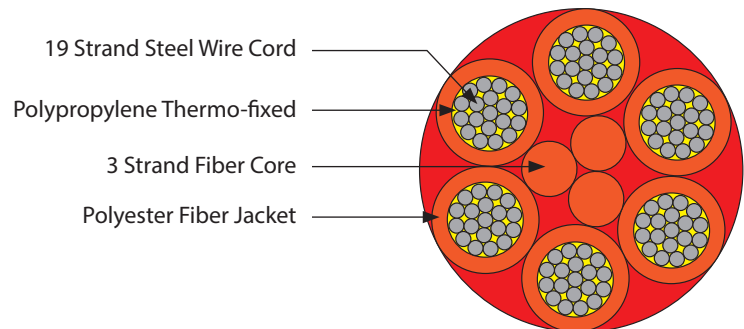
Strength & Durability

Min. Breaking Strength	>60 kN
UV Stabilization	250 kLy
Abrasion	min.11,000 DL DL = Double Lifts

Each of the six outer strands are made of a 2.8 mm galvanized steel wire cable, coated by a 1 mm layer of high-strength polypropylene. The cable is jacketed with a protective layer of high-strength UV resistant polyester fiber for a total single-strand thickness of 5.8 mm.

Increased strength and stability of each strand is achieved by heating the steel cable during the manufacturing process to form a thermo-fixed bond between the steel strands and the surrounding polypropylene.

This enhancement prevents the individual strands from untwisting when flexed or cut. In addition, a latex bonding liquid is applied during manufacturing to greatly increase the rope's resistance to abrasion, especially in sand-based play environments.



18 mm Netform Aluminum Pressed Fittings



Aluminum T-Joint

Seamless aluminum fitting to join three rope ends, finished with a custom die press.



Aluminum Cross Joint

Seamless aluminum fitting to join two perpendicular ropes, finished with a custom die press.



Aluminum Pressed Ferrule

Joins two ropes side by side, typically forming a loop. Made from seamless aluminum and finished with a custom die press.



Aluminum Connecting Sleeve

Seamless aluminum fitting to join two rope ends, finished with a custom die press.