



Care & Maintenance

Response® Static Safety Lines

Fully certified static safety lines with kernmantle nylon core



FEATURES/ BENEFITS

- Responsive and reliable
- Low stretch, high strength
- Quick access and excellent knot holding
- Highly visible colours
- 11mm certified to AS4142.3-1993 & ANSI Z-133, AS1891.5 & EN1891:2002 Type A
- 13mm & 16mm conforms with AS4142.3-1993, ANSI Z-133, AS1891.5 & EN1891:2002 Type A
- Manufactured under ISO 9001: 2015
- Includes internal year of manufacture marker yarn, 11mm & 13mm includes internal standards marker

RANGE

- 11mm - 13mm in 200m reels
- 16mm in 100m reels
- Longer lengths available upon request
- Response® LSK constructed with plaited Nylon core with a 32 plait Polyester protective jacket
- Response® XT is heat-set, constructed with parallel twisted Nylon core, with a 32 plait Nylon protective jacket

APPLICATIONS

- Abseiling
- Belay
- Static descent
- Safety and Rescue line
- Access line

Product Code	Size (mm)	Description	Reel Length	Reel Weight	Breaking Force
Response® LSK					
RPRP1137*	11	White with Blue/Yellow Flecks	200m	18.5kg	3249kg
RPRP1107	11	Fluro Orange with Blue/Yellow Flecks	200m	18.5kg	3249kg
RPRP1108	11	Black	200m	18.5kg	3249kg
RPRP1109*	11	Blue	200m	18.5kg	3249kg
RPRP1149*	11	Black with 4 Green Flecks	200m	18.5kg	3249kg
RPRP1114P	11	Fluro Pink with Black Flecks	200m	18.5kg	3249kg
RPRP1114	11	Fluro Orange with Black Flecks	200m	18.5kg	3249kg
RPRP1138	11	Fluro Lime with Black Flecks	200m	18.5kg	3249kg
RPRP1139	11	Fluro Yellow with Black Flecks	200m	18.5kg	3249kg
RPRP1300	13	Fluro Orange with Black/Yellow Flecks	200m	24.5kg	4092kg
RPRP1602*	16	Fluro Orange with Blue/Yellow Flecks	100m	19.5kg	5098kg
Response® XT					
RPRP1141	11	Tiger Orange with 4 Black Flecks	200m	18.5kg	3249kg
RPRP1140*	11	Blue	200m	18.5kg	3249kg

*Made to order in New Zealand but stocked in Australia.

RESPONSE® CERTIFICATION CRITERIA

Criteria	Australian Standard Certification			European Standard Certification		
	Actual Test Results	AS4142.3:1993	Certified Compliant	Actual Test Results	EN1891 Type A	Certified Compliant
Linear Break Load (Ave.kN)	31.87 kN	>29.4 kN	Yes	31.87 kN	(A) > 22 kN	Yes
Static Strength With Terminations				≥ 15kN	≥ 15kN	Yes
Knot Break Force (Avg.KN)	22.56kN	>14.7 kN	Yes			
Impact (Fall Test)	3.75 Falls	> 2 Falls (80kg)	Yes			
Dynamic Performance (N)	5 Drops			5 Drops	N ≥ 5 Drops	Yes
Elongation (E)				3.2%	E < 5%	Yes
Fall Arrest Peak Force (F)				5.3 kN	F ≤ 6 kN	Yes
Knotability Ratio (K)	1.04	< 1.1	Yes	1.18%	K < 1.2	Yes
Sheath Slippage (Ss)	3.5mm	≤ 40mm	Yes	0.3%	Ss < V * 100 / 1.930mm	Yes
Shrinkage				2.6%	Described in 5. 7 of the standard	Yes
Core Mass	49%			57.9%	(A) Formula	Yes
Outer Sheath Mass	51%					
Mass Per Unit Length (M)	91 g/m			91 g/m	Described in 5.8 of the standard	Yes
Mass Of Outer Sheath Material (Sp)				51%	Sp min ≥ 30%	Yes
Mass Of The Core Material ©				49%	C min ≥ 32%	Yes
Core Material	Nylon					
Sheath Material LSK	Polyester					
Sheath Material XT	Nylon					
Rope Diameter (D)	11.4mm			11.4mm	8.5mm ≤ D ≤ 16mm	Yes

Note: Above results relate to independent testing of 11mm Response® braid

TERMINATION

- Sewn eye options available upon request
- Sewn eyes suitable for 11mm, 13mm & 16mm
- Soft eye, Nylon thimble or steel thimble options available
- Retains a higher tensile strength than a conventional splice
- Labelled for ease of traceability



FIBRE CHARACTERISTICS

Fibre type	Description	Specific gravity	Sensitive to	Resistant to	Heat reaction	Strength and elongation
Polyester	Continuous Filament	1.38	Alkalis, Phenolic Compounds, Sulfuric Acid.	Most Organic and Mineral Acids, Solvents, Bleaches and Oxidizing Agents.	Softens 228°C, Melts 255°C.	Equivalent wet/ dry strength ratio. Elongation 35% at Break.
Polyamide (Nylon)	Continuous Filament	1.14	Strong Acids and Oxidizing agents, soluble in formic, Sulfuric Acids and Phenolic and most Bleaches.	Alkalis, Alcohols, esters, Hydrocarbons and most bleaches	Nylon 6,6 Softens 229°C. Melts 249-260°C.	Elongation Dry 40 %, Wet 35%. 90-95% strength ratio wet/ dry.