



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 | 3475kg |
| RPRP1107 | 11 | Fluro Orange with Blue/Yellow Flecks | 200m | 18.5kg | 3475kg |
| RPRP1108 | 11 | Black | 200m | 18.5kg | 3475kg |
| RPRP1109* | 11 | Blue | 200m | 18.5kg | 3475kg |
| RPRP1149* | 11 | Black with 4 Green Flecks | 200m | 18.5kg | 3475kg |
| RPRP1114P | 11 | Fluro Pink with Black Flecks | 200m | 18.5kg | 3475kg |
| RPRP1114 | 11 | Fluro Orange with Black Flecks | 200m | 18.5kg | 3475kg |
| RPRP1138 | 11 | Fluro Lime with Black Flecks | 200m | 18.5kg | 3475kg |
| RPRP1139 | 11 | Fluro Yellow with Black Flecks | 200m | 18.5kg | 3475kg |
| RPRP1300 | 13 | Fluro Orange with Black/Yellow Flecks | 200m | 24.5kg | 4750kg |
| RPRP1602* | 16 | Fluro Orange with Blue/Yellow Flecks | 100m | 19.5kg | 6900kg |
| Response® XT | | | | | |
| RPRP1141 | 11 | Tiger Orange with 4 Black Flecks | 200m | 18.5kg | 3475kg |
| RPRP1140* | 11 | Blue | 200m | 18.5kg | 3475kg |

*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 |
| Actual Break Force (Avg.kN) | 34.08 kN | >29.4 kN | Yes | 34.3 kN | (A) > 22 kN | Yes |
| Static Strength Without Terminations | 31.9 kN | | | 31.9 kN | ≥ 22 kN | Yes |
| Static Strength With Terminations | | | | ≥ 15kN | ≥ 15kN | Yes |
| Knot Break Force (Avg.KN) | 19.00 kN | >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. |