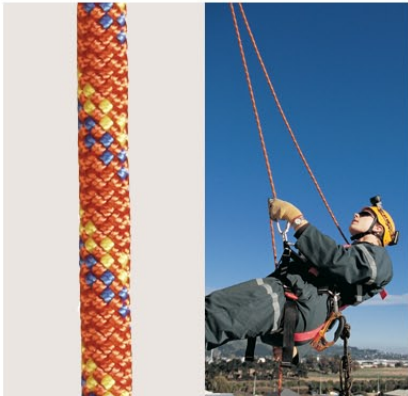


Response® XT Abseiling & Rescue Ropes



Applications

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

Features/Benefits

- Responsive and reliable static descent braid
- Certified to Australian and International standards AS4142.3 & EN1891
- Manufactured with heat set, pre shrink process
- Supple for handling and coiling
- Kernmantle, parallel core with plaited protective jacket construction
- Each spool includes certification tracer thread and coloured year of manufacture marker with batch coding
- Available in 6mm to 16mm diameter

Hanging by a thread

CONSTRUCTION

Response Abseiling Braids are manufactured in the construction defined in the Std EN 1891:1998 as “Low Stretch Kernmantel Rope, a textile rope consisting of a core enclosed by a sheath designed for use by persons in rope access including all kinds of work positioning and restraint; for rescue & speleology”.

Our 16 Plait Sheath (Jacket) offers optimal balance and flexibility combined with wear and abrasion resistance. The sheath is harmonised to the twisted yarns of the core positioned parallel through the length of the braid.



TRACER THREAD: A marker tape is embedded in the core with the clear identification of the Recognised Standards the Braid is certified and will perform to. Additionally a coloured marker yarn is inserted corresponding with the recorded year of manufacture within our Quality Assurance System.

PARALLEL CORE YARNS (BLANDIT): The sheath is harmonized to the twisted yarns of the core positioned parallel through the length of the braid. Virgin Multifilament Polyamide Nylon is used in both the core and sheath construction.

SHEATH: Our 16 Plait Sheath (Jacket) offers optimal balance and flexibility combined with wear and abrasion resistance. The jacket is of full colour and the number of flecks designate the size to save confusion. The jacket colour starkly contrasts that of the core as a strong visual wear indication.

Year Markings

All Response® braids contain a marker yarn to identify the year of manufacture.

The colour markers for each year are:			
2003	Red	2006	Blue
2004	Yellow	2007	Black
2005	Green	2008	Fluro Lime

MATERIAL

Response® abseiling braids are manufactured from premium grade polyamide Nylon. This fibre is relatively light with a specific gravity of 1.14 but will not float. Its melting point is well in excess of 200°C. Yarn elongation is around 40% however elongation and tensile strength are reduced between 5-10% when wet.

Polyamide nylon is sensitive to some strong oxidising agents and mineral acids. It becomes soluble in formic acid, concentrated sulphuric acid and phenolic compounds. This fibre is resistant to diluted mineral acid, organic acids and alkalis, organic solvents, mildew and fungi.

Expected lifespan

Indicatives Lifespan Values for personal safety equipment based on Conditions of proper application, storage and care		
Lifespan	Application	Frequency of use
max. 10 years	Unused, under ideal storage conditions and with regular inspections by experts	-
up to 7 years	Without mechanical strain and only short application rarely used	e.g. 1-2 times a year
up to 5 years	Minimal mechanical strain (e.g. static strain with body weight) and only short application	occasional use e.g. once a month
up to 3 years	Minimal mechanical strain (e.g. static strain with body weight) and average application of 2-4 hours	regular use, e.g. several times a month
up to 1 year	Minimal mechanical strain (e.g. static strain with body weight) and average application of 4-8 hours	repeated, regular use eonce a week
less than 1 year	Minimal mechanical strain (e.g. static strain with body weight) and average application of 4-8 hours	constant use e.g. daily

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