

CHARACTERISTICS OF A SYNTHETIC FIBRE STATIC RESCUE ROPE

The criteria for synthetic fibre ropes are laid down in **Australian Standard AS4142.3— 1993**, (Fibre ropes—Part 3 Man-made fibre rope for static life rescue lines):

- **Minimum diameter 11mm**
- **Static kernmantel construction**
- **Minimum rated strength 3000kg**
- **100% Polyamide (Nylon)**
- Spin resistant
- Abrasion resistant
- Good handling and knotting properties
- Maximum 3% elongation at 80kg load
- Maximum 10% elongation at 375kg load
- Maximum 20% elongation at 3000kg load
- Contrasting core and sheath colours
- Coded with an identification tape in the core.

This construction style provides a rope that is strong and resistant to damage, yet is light and easy to handle. These ropes also tend to be highly resistant to spin or twist.

