

Technical data sheet

Ø 14 MM STRANDED ROPE

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Application

Ø 14 mm 3-strand POLYAMIDE fibre rope for fall arrest rope or making lanyards.

Features

The rope is formed from 3 strands twisted together in a Z twist.

- 2 strands of 8 white yarns.
- 1 strand of 7 white yarns and one blue yarn.

each strand (S twist) consists of:

- sheath: 8 x 33840 dtex yarns (Z twist),
 - core: 1 x 25200 dtex white yarn (Z twist),
 - a 33840 dtex yarn (Z twist) consists of 3 x 11280 dtex threads (S twist),
 - a 25200 dtex yarn (S twist) consists of 3 x 8400 dtex threads (S twist),
 - a 11280 dtex thread (S twist) consists of 6 x 1880 dtex fibres,
 - a 8400 dtex thread (S twist) consists of 6 x 1400 dtex fibres,
- a green tracer yarn (minimum width 3 mm) is incorporated in the rope. It defines :
- The material: green = polyamide,
 - The reference number and standard,
 - Text on the tracer yarn = polyamide EN 696 : 1995F + manufacturer.

Technical specification

6 HT polyamide, multifilament fibre,

Melting temperature 230°,

Diameter 14 mm nominal,

Tension of 24 daN (+/-5) applied to the textile rope to measure the diameter and lay length.

Initial tension to be applied to measure the elongation.

Diameter 15.7 (+/-0.5) at rest.

15.2 (+/-0.5) when tension applied

700 daN 20%

1400 daN 26%

2800 daN 34%

3015 daN 38% (75% breaking load)

weight of material per metre 122g (+/-8%),

minimum breaking strength 4020 daN,

lay length 49 mm max,

the rope undergoes heat treatment to set the stranding and dimensional stability.