



SILVA-TEX 16

ARBORIST

This professional EN1891 Type A super tough climbing line has heavy duty abrasion-resistant construction and an excellent energy absorption characteristic.

Reference	Finish	Diameter (mm)	Reel Length (m)	Weight (/100m)	Breaking Load (kg.f)		910/ Blue	960/ Red†	689/ Orange
86A10	Sewn Eye	12.4	25	13.12	2960		86A100025910	86A100025960	86A100025689
86A10	Sewn Eye	12.4	35	13.12	2960		86A100035910	86A100035960	86A100035689
86A10	Sewn Eye	12.4	45	13.12	2960		86A100045910	86A100045960	86A100045689
86A10	Sewn Eye	12.4	60	13.12	2960		86A100060910	86A100060960	86A100060689
8610	Plain Reels	12.4	200	13.12	2960		86A100200910	86A100200960	86A100200689

This Rope is a 12.4mm 16-strand kernmantle constructed climbing line manufactured from a blend of polyester fibres. This rope has an outer sheath consisting of 16 strands of high grade polyester and a parallel twist core of torque balanced High Elongation polyester. The rope is designed and constructed to have a firmness and good hand feel.

TECHNICAL INFORMATION

	Core	Cover
Construction	Twist Core	16-Strand
Material	Torque balanced High Elongation Polyester	Polyester
Specific Gravity	1.38	1.38
Resistance to Acid	Yes	Yes
Resistance to Alkali	Yes	Yes
Resistance to UV	Yes	Yes
Resistance to heat	^230°C	^230°C
Shrinkage	0%	

DYNAMIC PROPERTIES

Minimum Static Strength (Unterminated)	22 kN – (2243 kg.f)
Avg Test Break Force (Unterminated)*	3350 kg.f
Avg Test Break Force (Spliced)*	2530 kg.f
Avg Test Break Force (Knotted)*	2210 kg.f
Elongation at 100kg Load	3.7 %
Elongation at 10% ABL (Max climbing load)	7.7 %
Elongation at 20% ABL (Max Rigging Load)	13.1 %
Fall arrest peak Force (EN 1891:1992 - 100kg load 600mm drop)*	5.98 kN
Fall factor 1 drops (EN 1891:1992 - 100kg load 2000+mm drop)	>5 drops

*Figures given are recorded at testing in laboratory conditions.
Witness testing for EN1891 by SGS.

Average Break Strength: The breaking strength of a rope is the load at which a new rope will break when tested under laboratory conditions.
Break strength should not be mistaken for safe working load.

Working Load: Because of the wide range of rope use, rope condition and the degree of risk of life or property, it is not possible to make a blanket recommendation for safe working load. It is ultimately dependent on the rope user to determine what percentage of break strength is their own safe working load.

Wear: Ropes wear out with use; the more severe the usage, the greater the wear. It is often not possible to detect wear on a rope by visible signs alone. Therefore, it is recommended that the rope user determine a retirement criteria for ropes in their application. For assistance in developing safe working load and retirement criteria for each application please call or write to the address below.

FEATURES & BENEFITS

- 16-Strand construction
- High grade Polyester
- Good to handle
- CE EN1891 Type A approved
- Controlled Extension
- Heavy duty for professional use
- Hard wearing with excellent abrasion resistance
- Suitable for spliced termination

TYPICAL APPLICATIONS

- Arborist



†Sustainable/Eco-Friendly options available.

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