



NEW ENGLAND ROPES

KM-III & KM-III MAX

STATIC KERNMANTLE

PRODUCT DESCRIPTION:

KM-III Static Kernmantle rope is a balanced construction consisting of a braided continuous filament polyester cover over a uni-directional nylon core. KM-III is designed to meet the rigorous requirements associated with rescue and rappelling operations.

KM-III Max utilizes a twill pattern sheath for improved abrasion resistance. KM-III ropes are NFPA approved and meet or exceed CE standards.

FEATURES:

- Polyester sheath for improved abrasion, chemical and UV resistance
- Low stretch, at 75% tensile strength only 20% elongation
- Non-rotating
- Renders well with descent devices or on winches
- Easy-to-knot
- Low moisture absorption
- KM-III Max - 17% greater abrasion resistance than KM-III

APPLICATIONS:

- Rescue rope/life lines
- Rappelling line
- Window cleaning operations
- Confined space rescue systems
- Tactical operations
- Caving



COMPLIMENTARY PRODUCTS

- Maxim Dynamic Ropes
- Water Rescue Rope
- Tech-Cord
- Accessory Cord
- Spectra A-cord
- Prusik Cord



Parallel Core



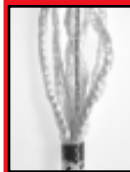
Double Braid



Single Braid



Three Strand



Kernmantle

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Registered ISO 9001

Cordage Institute Member



KM-III & KM-III MAX STATIC KERNMANTLE

KM-III TECHNICAL DATA

Diameter	8mm	3/8	7/16	1/2	5/8
NFPA Rope Type	personal escape	1 person	1 person	2 person	2 person
Weight per 100'	3.6	4.6	6.2	7.2	10.3
Tensile Strength	4,200	5,700	7,500	10,000	13,000
Elongation					
@ 450 lbs	4.5%	4%	3.5%	3%	1.5%
@ 900 lbs	8.5%	8%	7%	6%	2.5%

KM-III MAX TECHNICAL DATA

Diameter	9mm	11mm
NFPA rope type	1 person	1 person
Weight per 100'	4.6	6.2
Tensile Strength	5,700	7,500
Elongation		
@ 450 lbs	3%	2.5%
@ 900 lbs	6.5%	5%

CHEMICALS:

Polyester has good resistance to most chemicals, except 95% sulfuric acid and strong alkalines at boil.

SUNLIGHT/UV:

Very little degradation from UV. Can be used outside over long term if inspected regularly.

HEAT:

Melting point of 480° E progressive strength loss above 300° F.

DIELECTRICS:

Good resistance to the passage of electrical current. However dirt, surface contaminants, water entrapment and the like can significantly affect dielectric properties. Extreme caution should be exercised any time a rope is in the proximity of live circuits.

SHEAVES:

Recommended D/d ratio is 8:1.

SPECIFIC GRAVITY:

1.25

COLOR:

KM-III: White (blue tracer), Black, Orange, Blue (white tracer), Olive Drab, Red (white tracer).

KM-III Max: Black (yellow tracer)

STANDARD LENGTH:

150', 300', 600'

WORKING LOADS:

No blanket working load recommendations can be made because it depends on the application and conditions of use, especially potential danger to personnel. It is recommended that the user establish working loads and safety factors based on professional and experienced assessments of risks. The working load is a guideline for the use of a rope in good condition for non-critical applications and should be reduced where life, limb or valuable property is involved, or exceptional service such as shock, sustained loading, severe vibration, etc. The Cordage Institute specifies that the Safe Working Load of a rope shall be determined by dividing the Minimum Tensile Strength by the Safety Factor. Safety factors range from 5 to 12 for non-critical uses, 15 for life lines.

$$SWL = \frac{\text{Minimum Break Strength}}{\text{Safety Factor}}$$

SERIES:

KM-III 330,
KM-III Max 334

Technical Assistance & Customer Service:

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