



QGUZ.MH25760 Life-safety Rope and Equipment for Emergency Services

Page Bottom

Life-safety Rope and Equipment for Emergency Services

[See General Information for Life-safety Rope and Equipment for Emergency Services](#)

PELICAN ROPE WORKS

MH25760

1600 E MCFADDEN AVE
SANTA ANA, CA 92705 USA

Certified in accordance with ANSI/NFPA 1983 (2012)

Escape rope

| Model/Dsg | Diameter (mm) | MBS (kN) | % Elongation |
|-------------------------|---------------|----------|--|
| 2WP24-7.50, Escape Rope | 7.5 | 15.5 | 3.5 @ 1.35 kN (300 lbf), 5.9 @ 2.7 kN (600 lbf), 8.1 @ 4.4 kN (1000 lbf) |
| 2WT-7.5L, Escape Rope | 7.5 | 24.4 | 2.1 @ 1.35 kN (300 lbf), 2.6 @ 2.7 kN (600 lbf), 4.0 @ 4.4 kN (1000 lbf) |
| 2TP-7.5T, Escape Rope | 7.5 | 19.2 | 2.4 @ 1.35 kN (300 lbf), 4.2 @ 2.7 kN (600 lbf), 6.0 @ 4.4 kN (1000 lbf) |

Fire-escape rope

| Model/Dsg | Diameter (mm) | MBS (kN) | % Elongation |
|----------------------------|---------------|----------|--|
| 2TT-7.5T, Fire Escape Rope | 7.5 | 26.0 | 2.4 @ 1.35 kN (300 lbf), 3.0 @ 2.7 kN (600 lbf), 4.2 @ 4.4 kN (1000 lbf) |
| 2KK-7.5K, Fire Escape Rope | 7.5 | 27.5 | 3.7 @ 1.35 kN (300 lbf), 4.5 @ 2.7 kN (600 lbf), 5.4 @ 4.4 kN (1000 lbf) |
| RSS-K7.5, Fire Escape Rope | 7.5 | 27.5 | 3.7 @ 1.35 kN (300 lbf), 4.5 @ 2.7 kN (600 lbf), 5.4 @ 4.4 kN (1000 lbf) |
| 2KP-7.5K, Fire Escape Rope | 7.5 | 20.5 | 3.0 @ 1.35 kN (300 lbf), 4.8 @ 2.7 kN (600 lbf), 6.2 @ 4.4 kN (1000 lbf) |

Life-safety rope

| Model/Dsg | Class | Diameter (mm) | MBS (kN) | % Elongation |
|----------------------|---------|---------------|----------|--|
| 2WP-200, Static Rope | General | 16.0 | 50.1 | 1.7 @ 1.35 kN (300 lbf), 3.0 @ 2.7 kN (600 lbf), 4.8 @ 4.4 kN (1000 lbf) |
| 2WP-160, Static Rope | General | 13.5 | 43.7 | 2.2 @ 1.35 kN (300 lbf), 4.5 @ 2.7 kN (600 lbf), 4.8 @ 4.4 kN (1000 lbf) |



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High Heat Test Fire Escape Systems – Escape Line

March 12, 2013

Fire Test: Escape Rope Requirements Per NFPA 1983- 2012

- 400° C holding a 300 # weight must last minimum of 5 minutes before failure

RIT 100% KEVLAR 7.5MM ROPE LASTED OVER 30 MINUTES

RIT 100% KEVLAR 7/16" WEBBING LASTED OVER 30 MINUTES

After 30 minutes the administrator terminated the test. The webbing and rope could have gone on longer.

- 600° C holding a 300 # weight must last minimum of 55 seconds before failure

RIT 100% KEVLAR 7.5MM ROPE LASTED 6 MINUTES

RIT 100% KEVLAR 7/16" WEBBING LASTED 2 MINUTES 30 SECONDS

These tests are pass/fail. If you are one second over the minimum requirement, a passing grade is awarded. As you can see from the above numbers – we exceed. When looking at an escape system, please ask for results from other rope manufacture's to make sure their rope holds up to the harsh environments the FF's face.

Regards,

Mike Mulgrew

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