

Data Sheet:

cobra 4 t

Patent european 623 277

1. Rope:

cobra 4 t, hollow braid 18 mm, coloured black,
according to DIN 83305, 50 m and 100 m rolls
(produced by DIN EN ISO 9001:2000 certified manufacturer)

Material : Polypropylene (PP) monofil

Weight: 11.75 kg/ 100 m

Tensile strength: 5.295 daN both sides quick spliced (static)
4.650 daN both sides quick spliced incl. shock absorber (dynamic)
> 4.000 daN after 8 years of service life

Stretch: 5 % at 20 % breakload (1060 daN)
6 % at 30 % breakload (1600 daN)
7 % at 40 % breakload (2120 daN)
8 % at 50 % breakload (2650 daN)
9 % at 60 % breakload (3200 daN)

approx. 14.6 % at 100 % breakload (5.295 daN)

Degradation of Tensile Strength: < 2 % per year of service life
Follows cobra standard with same filament strength.
(research papers - University of Weihenstephan)

2. Expansion Insert:

Material: Polypropylene (PP)

Dimensions: Thickness: 2 mm, Width: 50 mm, Length: 580, 780, 980 mm
(Cambium compatibility research paper from University of Weihenstephan)

3. Anti-Abrasion Hose:

Material: Polypropylene (PP) textile webbing tube

Dimensions: Width: 80 mm x 12 m rolls

Recycling: Pos. 1, 2 and 3 can be melted together

4. Shock Absorber:

Material: EPDM - special rubber with specified density

Dimensions: Diameter: 36 mm, Length: 400 mm
max. extension in rope under load 200 mm

Manufacturer:
of the cobra system

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