

Data Sheet:

cobra 8 t

Patent european 623 277

1. Rope:

cobra 8 t, hollow braid 28 mm, coloured black,
according to DIN 83305, 40 m rolls
(produced by DIN EN ISO 9001:2000 certified manufacturer)

Material : Polypropylene (PP) monofil

Weight: 26 kg/ 100 m

Tensile strength: 10,900 daN both sides quick spliced (static)
10,000 daN both sides quick spliced incl. shock absorber
(dynamic)
> 8,000 daN after 8 years of service life

Stretch: 3.0 % at 15 % breakload (1,650 daN)
5.5 % at 25 % breakload (2,725 daN)
6.5 % at 35 % breakload (3,800 daN)
8.0 % at 45 % breakload (4,900 daN)
10 % at 55 % breakload (6,000 daN)

approx. 17 % at 100 % breakload (10,900 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: 60 mm, Length: 1200 mm
(Cambium compatibility research paper from University of Weihenstephan)

3. Anti-Abrasion Hose:

Material: Polypropylene (PP) textile webbing tube

Dimensions: Width: 1400 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: 45 mm, Length: 500 mm
max. extension in rope under load 200 mm

Manufacturer:
of the cobra system

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