

Data Sheet:

cobra standard

Patent european 623 277

- 1. Rope:** **cobra standard**, hollow braid 12 mm, coloured black, according to DIN 83305, 100 m rolls (produced by a DIN EN ISO 9001:2000 certified manufacturer)
- Material : Polypropylene (PP) monofil
- Weight: 5.47 kg/100 m
- Tensile strength: 2.080 daN both sides quick spliced (static)
(test results Germanischer Lloyd)
1.800 daN both sides quick spliced incl. shockabsorber (dynamic)
> 1.400 daN after 12 years of service life
- Ductile yield: 2.5 % at 20 % breakload (420 daN)
3.5 % at 30 % breakload (625 daN)
4.5 % at 40 % breakload (830 daN)
5.5 % at 50 % breakload (1.040 daN)
7.0 % at 60 % breakload (1.250 daN)

17 % at 100 % breakload (2.080 daN)
- Stiffness: 8 % at 60 % of tensile strength (1st load cycle)
7 % at 60 % of tensile strength (10th load cycle) stretch and orientation of the filaments
(test results Germanischer Lloyd)
- Degradation of Tensile Strength: < 2 % per year of service life
(research papers University of Weihenstephan)
- 2. Expansion Insert:**
Material: Polypropylene (PP)
- Dimensions: Thickness: 1.2 mm, Width: 30 mm, Length: 600, 800, 1000 mm
(Cambium compatibility research paper from University of Weihenstephan)
- 3. Anti-Abrasion Hose:**
Material: Polypropylene (PP) textile webbing tube
- Dimensions: Width: 60 mm x 25 m rolls
- Recycling: Pos. 1, 2 and 3 can be melted together
- 4. Shock Absorber:**
Material: EPDM, special rubber with specified density
- Dimensions: Diameter: 24 mm, Length: 400 mm
max. extension in rope under load 200 mm
- Manufacturer:** pbs, Gerokstaffel 1, 70184 Stuttgart
of the cobra system Tel. +49-711-235661, Fax: +49-711-235662
Internet: www.cobranet.de, e-mail: pbs@cobranet.de