

CLYDESDALE

Powering the Future

User Instructions: Paracore Rope

These instructions detail the correct use and maintenance of Paracore Polyester rope specified for use on Clydesdale Overhead Line Winches. It is advised that only GeoStringer Paracore Rope is used on Clydesdale winches to ensure the rope is of suitable quality and fit for purpose.

Paracore Properties:

Paracore rope is constructed from a core of low twist parallel yarns of High Tenacity Polyester Fibre, tightly encased in a plaited abrasion resistant polyester outer cover which gives it an excellent strength to weight ratio with extremely low elongation.

Paracore Diameter	7mm	8mm	10mm
Max Breaking Load	2000kgf	2500kgf	3250kgf
Recommended Winch Use	CLY 750 1-2000 (900 / 2202)	CLY 750 3-1000 (2103)	CLY 750 1-3000 (902 / 2241)
Relative Density	1.38g/cm ³		
Temperature	Satisfactory @ -70°C, melts @ 260°C		
UV Resistance	Excellent		
Weight	4.22kg/100m	4.99kg/100m	6.62kg/100m

Storage:

It is important to note that in manufacture the outer cover of Paracore rope is tightly plaited over the parallel core yarns whilst the core is under tension. If the rope is allowed to relax and not kept under a degree of tension (i.e. tightly wound on a drum or reel) the contraction of the core can cause lumps in the rope and, in some cases, elements of the core yarns pop out through the cover plait.

Although sometimes unsightly, these appearance imperfections do not harm the properties of the rope and disappear immediately when tension is applied. Paracore should therefore only be stored under tension on a drum or reel preferably in a cool, clean, dry place away from sources of heat and direct sunlight.

Care, Inspection and Maintenance:

Do not pull rope over sharp edges. Ensure all stringing rollers are mounted correctly, run freely and are of a suitable size. Avoid contamination from dirt, rust, paint, oils, chemicals and fumes. Wash rope in cold running water if necessary.

Only use crimped rope eye as supplied by Clydesdale. If the rope is damaged and a new eye is required, this must be done by Clydesdale. Do not under any circumstances use a knot as this will weaken the rope significantly.

Regular inspection of the rope in conjunction with annual examination of the winch is recommended. Examination of 300mm of rope at a time is recommended, the rope being turned to reveal all sides before continuing. At the same intervals, the strand should be opened just sufficiently to allow examination of inside bearing surfaces.

Replace the rope immediately if there are any signs of excessive wear, abrasion, scoring, glazing, powdered fibre or loosening of strands.