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Ceramic Cabled Rope

EXCELLENT THERMAL INSULATION

LIGHTWEIGHT

SUITABLE FOR TEMPERATURES UP TO 1260°C.

RESISTANT TO MOST CHEMICALS EXCEPT PHOSPHORIC ACID, HYDROFLUORIC ACID AND STRONG ALKALIS

NON COMBUSTIBLE

LOW THERMAL CONDUCTIVITY

RESISTANT TO THERMAL SHOCK

Ceramic cabled rope is manufactured from high performance ceramic fibre made from high density or twisted carded Sliver (Low Density), reinforced with either a wire or glass filament. Sliver and yarns are produced on traditional textile machinery by carding 1260 grade ceramic fibres with a percentage of cellulose fibre to assist in the processing. The yarns are spun and combined with the relevant re-enforcing media to improve tensile strength at extended temperatures. The yarn or sliver is first assembled and twisted and balanced to produce a cabled rope.

The organic content will burn off at temperatures above 200°C without affecting the properties of the ceramic fibre however adequate ventilation should be provided during this initial firing. Where tensile strength is important the temperature limitations of the re-enforcing media should be considered.

Applications

Ceramic cabled rope is used as bulb material for tadpole seals, boiler door seals, laundry section seals.

Reinforcement temperature limitations

E glass filament: suitable for temperatures up to 550°C

Chrome Steel Wire is suitable for temperatures up to 1000°C

Ceramic cables rope is available in a wide range of diameters.