

VerteBrace Bend Limitors

Vertebrace is an interlocking system of reticulated polyurethane mouldings, which prevents the over bending of export and array cables during installation and service, due to a predetermined maximum lock up radius and load bearing capacity.

VerteBrace is typically employed at the interface between flexible and rigid structures and is of a split design, for ease of installation.

In house expertise of marine grade urethanes has resulted in the development of unique grades, tailored to application requirements.



Typical elastomer properties

Property	Value at 23°C	Value at 60°C	Units
Shore Hardness	80	69	°D
Elongation at break	22	66	%
Tensile Strength	44	20	MPa
Heat distortion Temp.	70	70	°C
Izod Impact Strength	8	13	KJ/m ²
Density (cured)	1.2	1.2	g/cm ³

Features and benefits

- Near neutral density in seawater, reducing self weight loading on the cable
- Resistance to saltwater attack
- Excellent load bearing properties across a broad temperature range
- UV stable with good aging characteristics
- Good abrasion resistance
- Custom design, according to client specification

VerteBrace is an ideal design solution for use at static terminations, cable touchdown points, and areas of excessive localised currents. Being modular in design, VerteBrace can be incorporated seamlessly into Proteus ProShell and ProSpace cable protection systems.



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