WIND POWER TORSION CABLES

Application

Wind Power cables play a crucial role in the efficient transmission of power from the generator located within the nacelle of a wind tower to the base station. Unique Cables have specifically designed Torsion Cables to navigate the challenging torsional stresses induced by the rotational movement of the nacelle in response to changes in wind direction. Crafted from specialized elastomeric compounds, these flexible cables are engineered to withstand and adapt to the torsional forces encountered during the rotation of the nacelle, ensuring optimal performance and longevity in the demanding environment of wind energy generation.

Voltage Grade	: 600 V / 1100 V
Conductor	: Flexible Class-5 tinned or bare copper conductors, made to IEC-60228 / IS-8130
Range (Single Core)	: 10 Sq mm to 300 sq mm
Insulation	: EPR - in conformance to IEC 60502 / IS-6380
Shealth	: Special elastomer compound with Oil, Fire, Hydrolysis & Torsion resistant properties.

Features

Maximum conductor temperature (continuous)	: + 90° C
Short circuit temperature (max) for up to 5 seconds	: + 250° C
Maximum permissible tensile load on cable	: 15 N/mm²
Torsion angle	: ± 100° per meter
Minimum bending radius	: 8 D