



Type - P Cables

Type P Cables are specifically designed for installation and use in harsh environments found within offshore and onshore drilling rigs. These extreme environments may include severe cold, high heat, constant vibration, drilling mud, mechanical stress and salt corrosion.

Specification	: IEEE 1580, IEC 60092-353, IEC 60092-376, UL 1309
Temperature Range	: 90° C, 100° C, 110° C & 125° C
Conductor	: Flexible stranded tinned copper
Application	: Powering Machinery, Communication Devices, Navigation Systems, Offshore Drilling Rigs, Shipboard Wiring and Marine Vessels
Cable Type	: Multi Core, Single Core, Power, Control, VFD and Instrumentation Cables
Voltage Grade	: 300 V, 0.6 / 1.0 KV & 2 KV
Insulation	: XLPO
Sheath	: Extruded Flame Retardant, Oil & Abrasion Resistant Synthetic Elastomer
Armour (Optional)	: Tinned copper or bronze wire braid
Shield (applicable for Instrumentation Cables)	: An aluminum/polyester tape with drain wire, 100% coverage, is applied over each twisted pair and the cabled core, the single pair construction has only the overall shield.



VFD Cables

VFD cables are used to connect the VFD drive to the variable frequency motors, drives precisely controls the speed and torque of the motors. During this operation of controlling the motor by changing the frequency there is every chance for noise generation, sudden induced voltage and spikes and intense electric field around the conductor which can be suppressed with special design.

Construction	: Metallic layer over the core / cable will reduce the noise / strong electric field around the core / earthing of all spikes generated during the operation.
Voltage Grade	: Up to 1800 / 3300 V AC
Conductor	: Circular electrolytic bare copper / tinned copper (stranded / flexible)
Insulation	: XLPE or EPR or HEPR
Screening	: Combination of copper tape and copper wire braid or double layer of copper tape and concentric braiding
Outer Sheath	: PVC / ZHFR / SHF1 / SHF2
Application	: This construction of metallic layer over the core / cable will reduce the noise / strong electric field around the core / earthing of all spikes generated during the operation.



Co-Axial Cables (RG Series)

Radio Frequency or Signal Transmission Cables, Polyethylene / XLPE / Fluoropolymer / Dielectric Insulation & Halogen Free Flame retardant with low smoke and low toxic polymers, Sheath materials.

Specification	: Def Stan 02-512 (PT-5) & MIL-DTL-17H & customer specification
Construction	: Single Core Screened Cables
Primary Conductor	: ABC / ATC / SPC & special conductors like CCS (Copper Clad Steel) etc
Temperature Range	: - 30° C to +120° C
Insulation	: Polyethylene / XLPE / Fluoropolymer
Outer Conductor	: Aluminium Mylar Tape / Annealed Tinned / Bare Copper Braid
Outer Sheath	: Special halogen free and fire retardant with low smoke generation and low toxic properties with E-beam curing process
Type of Cables	: RG 11, RG 213, RG188, RG 58, RG 59, RG 214
Application	: For use of VHF (Very High Frequency) signal transmission