Co-Axial Cables (RG Series)

Radio Frequency or Signal Transmission Cables, Polyethylene Dielectric Insulation & Sheath material with Halogen Free, Fire Retardant with low smoke generation and low toxic properties.

Specification	:	Def Stan 02-512 (PT-5) & customer specification
Construction	:	Single Core, Multi Core Cables, Unscreened Collectively Screened
Primary Conductor	:	ABC / ATC / SPC & special conductors like CCS (Copper Clad Steel) etc
Temperature Range	:	-30^0 C to $+120^0$ C
Insulation	:	Polyethylene / FEP Dielectric Compound
Outer Conductor	:	Aluminium Mylar Tape / Annealed Tinned / Bare Copper Braid if applicable
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, RG 188 etc.
Application	:	For use of VHF (Very High Frequency) signal transmission

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 of lot of noise getting generated, induced voltage and sudden spikes generation 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.

Cathodic Protection Cables

For added protection against corrosive gases and brackish water, a PVDF fluoropolymer insulation covered by an HMWPE jacket can be used. Polyvinylidene difluoride (PVDF) inner layer has exceptional chemical resistance when present in chlorine, sulfuric acid and hydrochloric acid. High molecular weight polyethylene (HMWPE) exhibits superior dielectric and tensile strength and protection and can withstand considerable abuse during installation.

Used for underground DC power supply feeder to cathodic protection systems for pipelines, storage tanks, and other buried or submerged structures

Construction/Range	:	Single Core up to 95 Sq mm
Voltage Grade	:	Up to 1000 V
Conductor	:	Bare Copper / Tinned Copper Standard / Flexible Conductor
Primary Insulation	:	PVDF Fluoropolymer / ECTFE (Halar)
Outer Sheath	:	High molecular weight polyethylene (HMWPE)