



EMPOWERING PROCESS MANAGEMENT



### PTFE Insulated & Sheathed Multi Core Shielded Cables



**PTFE Cables** have outstanding mechanical & electrical properties. They are heat resistant and have its application for temperature range from **-65 °C to 260 °C**.

In most adverse industrial conditions, where chemical fumes & other liquids make all other types of cables are vulnerable, PTFE polymer becomes an excellent solution as it is chemically inert to most of industrial chemicals. Its outstanding di electric properties even at high elevated temperatures make it suitable for harsh industrial applications.

APPLICATIONS	PRODUCT FEATURES
<ul style="list-style-type: none"> <li>High Temperature Application in Boiler, Heat Exchanger, Diesel Gen Set</li> <li>Furnaces &amp; Ovens</li> <li>Plastic Processing Equipments</li> </ul>	<ul style="list-style-type: none"> <li>Continuous use from -65 °C up to 260 °C</li> </ul>
<ul style="list-style-type: none"> <li>Aerospace &amp; Cryogenics</li> <li>Sensor Circuits</li> <li>Various Processing Industries</li> </ul>	<ul style="list-style-type: none"> <li>Single exposure up to 350 °C</li> <li>Inert to most chemical, fluids &amp; unaffected by lubricants</li> <li>Flame Retardant</li> <li>Resistant to gamma radiation</li> <li>Immune to agene fungus &amp; water absorption</li> </ul>

**HV TEST** as per US MIL-W-16878 & Indian Defense JSS 51034.92

GRADE	SPARK TESTING	DIE ELECTRIC TESTING
E (600 V)	3400 V AC	2000 V AC
EE (1000 V)	5000 V AC	3000 V AC

#### PRODUCT SPECIFICATIONS:

Conductor type	Bare Copper / Silver Plated Copper / Nickel Plated Copper wire, Size: 0.25 sq.mm to 50 sq.mm
Core Insulation	Fused PTFE TAPE
No. of Core	Multi core
Construction	Twisted and laid suitably
Inner Isolator	Fused PTFE
Shield / Armor	SS Metal Braided
Outer Jacket	Fused PTFE
Color	All different colors or as per client's requiremen

- Other sizes in AWG and also different construction in other stranded sizes are available on request
- Pic is just for reference for cable construction, actual cable would differ depend upon no. of cores & color



### ELTEC CABLES & INSTRUMENTS

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