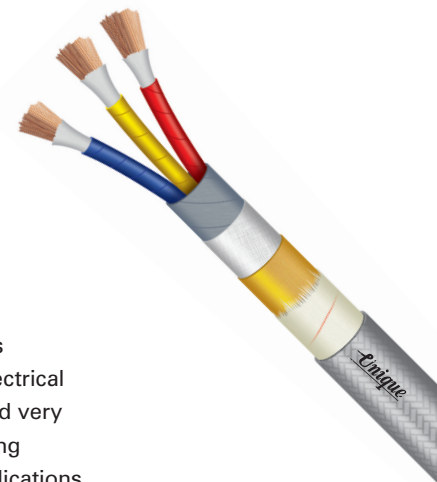


HIGH TEMPERATURE CABLES



Application : High Temperature Cables are used in areas where both working Temperature and ambient temperature are too high. They are made with a wide range of conductors, insulating materials and screening materials depending on the temperatures and conditions under which the cable has to perform

- | | |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Construction | : Single Core or Multi Core |
| Voltage Grade | : 250 V AC, 600 V AC & 1000 V AV |
| Conductor | : Annealed Bare/Tinned Plated/ Nickle Plated/Silver Plated |
| Insulation & Sheath Material | : PTFE it is excellent chemical resistance, Mechanically tough & high temperature stability can handle temperatures ranging up to 230°C |
| For Higher Temperature up to 800°C | |
| Kapton | : It is a versatile, flexible, and durable tape that can be used for electrical insulation, heat protection, can handle temperatures ranging upto 400°C, making it suitable for environments where temperature extremes are expected. It is resistant to many chemicals, oils, and solvents. |
| Heat barrier mica tape: | : It is primarily used as insulation in high-temperature applications due to its excellent heat resistance & insulation properties, providing protection in electrical cable, especially where fire-resistant insulation is required. It can withstand very high temperatures ranging up to (400°C to 800°C) without losing its insulating properties. Considered a fire-retardant material, making it suitable for applications where fire safety is critical. |
| Asbestos Yarn | : It is white dry, high purity, non-metallic, braided is used where severe high temperature conditions prevail |
| Ceramic Yarn | : It is used in high temperature zone for thermal insulation, electrical insulation and sealing corrosive / non-corrosive gases, super-heated and saturated steam and many other applications. It can withstand very high temperatures ranging up to (800°C to 1200°C) |
| Armouring | : High strength stainless steel wire braided. |



*Screening If required: Individual & Overall with Aluminium mylar with ATC drain wire, (ATC/ABC/NPC /SPC) Wire Braiding.