



Shakun Polymers Private Limited
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SHAKUN'S SPL-ZHFR-EXP-665AM

A HIGH-STRENGTH OUTER SHEATH MATERIAL, ST12, DESIGNED FOR HIGH AND EXTRA HIGH VOLTAGE CABLES, OFFERING EXCELLENT FIRE PERFORMANCE.



Our Solutions

High voltage and Extra high voltage cables installed in confined spaces such as tunnels and buildings, demand not only mechanical protection but also enhanced fire safety. Shakun SPL-ZHFR-EXP-665AM is the solution, combining the mechanical strength of PE with the fire performance of HFFR, creating a reliable outer sheath material for high voltage applications.

Designed For ST12

Designed to meet the stringent requirements of ST12 designation as per IEC 60840 and IEC 62067, SPL-ZHFR-EXP-665AM ensures both safety and durability in demanding environments. Conventional HFFR materials often suffer from lower mechanical strength, while PE-based materials lack adequate flame retardancy. SPL-ZHFR-EXP-665AM successfully bridges this gap, offering exceptional performance for high-dimension cables.

Key Features



Excellent Mechanical Strength:

SPL-ZHFR-EXP-665AM provides superior mechanical properties with an elongation of over 300%, tensile strength above 12.5 MPa, and tear strength above 13.



Zero Halogen & Low Smoke:

A halogen-free formulation ensures minimal smoke generation, enhancing safety in fire situations.



High Fire Resistance:

Material possess Limiting Oxygen Index (LOI) above 25, demonstrating significant flame-retardant properties.



Easy Processing:

SPL-ZHFR-EXP 665AM is designed for smooth and easy processing on big diameter cables using standard sheathing lines.

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