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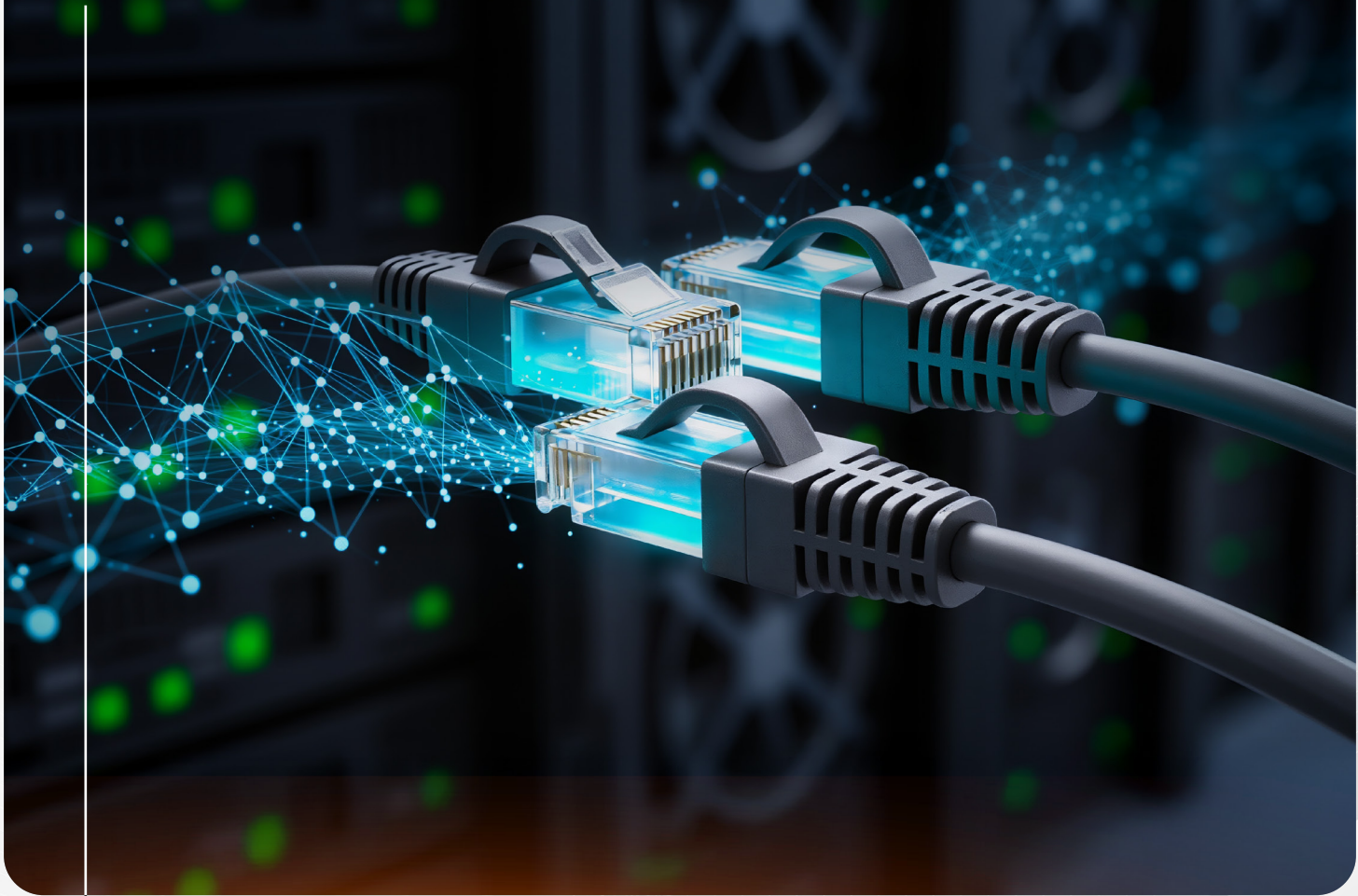


Polymer
Solutions

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ECOTEK® SPL-ZHFR-4821B

B2ca Ready ZHFR Compound



High-Performance Sheathing
for Fiber Optic & Data Cables

PRODUCT OVERVIEW

ECOTEK® SPL-ZHFR-4821B is a High Char thermoplastic, polyolefin-based Low Smoke Zero Halogen (LSZH) flame-retardant compound developed for outer jacketing of Optical Fiber, Data Center, Communication cables.

It has unique flame-retardant formulation, provide high fire safety compliance and optimized extrusion performance.

Designed for Fiber-optic & Communication cables installed in vertical building shafts, floor-to-floor risers, and cable tray systems where enhanced flame control, no flaming-droplets and low smoke performance are required.

CERTIFIED FIRE CLASSIFICATION

CPR: B2ca – EN 50575

Features	
Halogen Free	Compliance with IEC 60332 & CPR B2ca (Depending on Cable Construction)
Higher Oxygen Index	Low Toxicity
High Char Formation	UV Stabilized
Limited flame propagation	Excellent Smooth Processing
Very Low smoke emission	Meeting RoHS and REACH

Suitable for regulated infrastructure projects meeting stringent fire performance requirements.

TARGET APPLICATIONS Outer sheathing of,	
MPO / MTP Fiber Cables	Communication Cables
Optical Fiber Cables	CAT6 Cables
Indoor Data Cables	Smaller diameter Cu/Al Cables

ECOTEK® SPL-ZHFR-4821B is developed for fiber optic cables used in data centers, airports, hospitals, metro systems, commercial complexes, and public buildings.

It is ideally suited for vertical riser and cable tray installations where enhanced fire safety and low-smoke performance are essential.