

Product Name **Halogen-free flame-retardant cable**

Primary material	EPDM
Specifications	Customised services
Performance indicators	<p>Weather resistance: ≥ 1500 hours (UV/ozone corrosion resistance)</p> <p>Operating temperature: -55°C to 150°C (long-term) / 250°C (short-term)</p> <p>Electrical insulation: Volume resistivity $> 10^{15} \Omega\cdot\text{cm}$</p> <p>Dielectric strength: ≥ 20 kV/mm (for medium-low voltage environments ≤ 138 kV)</p> <p>Mechanical strength: Tear resistance ≥ 15 kN/m; Bending radius $\leq 6 \times$ cable diameter</p> <p>Flame retardancy rating: UL94 V-0 certified</p> <p>Moisture resistance: Water absorption rate $< 0.5\%$</p>
Product Features	Flame-retardant and moisture-resistant, withstanding high and low temperatures, insulating and weather-resistant, possessing stable mechanical properties.
Fields of application	Cable sheathing applications for rail transit, marine vessels and port facilities, automotive manufacturing, mechanical equipment, heavy industry, and outdoor power grids.
Customised Services	Dimensions, materials and colours can be customised to meet customer requirements.



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