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SHXLife® 240 (PI) Flat

- Copper flat wire, extended lifetime under electrical load
- High thermal and chemical resistance
- Insulated with polyimide
- Designed for compact windings with long lifetime
- Thermal class 240

Attributes

SHXLife® 240 (PI) Flat combines the proven SHXLife® insulation system of longer lifetime with the outstanding thermal and chemical durability of a polyimide enamel system. This flat wire is engineered for demanding applications where high electrical strength, long lifetime, and chemical resistance are essential – especially in traction motors in emobility.

Thanks to its optimized insulation thickness, the wire maintains an excellent copper fill factor, allowing compact winding designs. SHXLife® 240 (PI) Flat provides excellent resistance to partial discharge, supports long-term thermal performances under Class 240 conditions and ensures operating voltages beyond 800 V.

The polyimide layer offers superior resistance to oils, coolants, and other aggressive fluids, making it the perfect choice for chemically challenging environments.

The information on this data sheet is based on the information provided by our supplier. It does not represent any specification or agreements regarding conditions or properties. The indicated values are standard values. Deviations from those values due to production and application cannot be excluded. The information on this data sheet is addressed to experts who use it at their own discretion and at their own risk. We do not guarantee results, or accept liability for the indicated specifications or for results obtained based on the specifications. Please contact us for more detailed information. Non-toxic and toxic substances are listed on the safety data sheet.
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