SynFlex Elektro GmbH
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SHXLife® 220

- Copper round wire, increased lifetime under electrical load
- Coated with a modified PAI insulation system
- Optimized fill factor
- Thermal class 220

Attributes

SHXLife® 220 an innovative enamelled copper wire with a thermal class of 220, specially developed for industrial applications with high electrical loads – particularly in converter-operated electric motors. The insulation structure is based on an innovative enamel system that has been specially optimised to extend lifetime under partial discharge conditions while also enabling efficient use of the installation space. The wire is characterised by its exceptional partial discharge resistance – a decisive advantage at steep voltage slopes and high frequencies. The robust insulation remains stable even at high operating temperatures, thus ensuring a long lifetime and operational reliability. Thanks to an optimised enamel thickness, the slot fill factor is improved – for more copper in the motor and increased efficiency.

SHXLife® 220 is 100% tested in-line and meets the highest quality standards. This makes it ideal for industrial series applications where durability, electrical strength and efficiency are equally required. The combination of partial discharge resistance, thermal endurance, and winding efficiency makes SHXLife® 220 the ideal solution for compact, high-performance industrial drives.

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