

Type designation Abbreviation	FRIOTHERM 1000 FV
Conforms to standard	DIN-EN-IEC 60317 T23
Temperature class to DIN-EN-IEC 60317	180
Old designation to DIN 46 416	Type W 180 V
UL approval	approved
UL file number	–
NEMA-standard	MW 77
Manufacturing range	0.15 - 1.50 mm
Insulation	
Enamel basis	mod. esterimide
Overcoat	
Structure	1-layer system
Technical data with reference to 0.5 mm diameter, grade 2(L)	
Resilience angle	< DIN-EN-IEC
Adhesion and elasticity during winding	10 % VD ²⁾ / 1 x d
Thermal shock ¹⁾ 1/2 h, 1 x d	200 °C
Softening temperature (tested)	> 340 °C
Scrape resistance	> DIN-EN-IEC
Breakdown voltage (twist)	> DIN-EN-IEC
Fault number (1,5 kV) per 100 m	< DIN-EN-IEC
Life limit temperature to DIN-EN-IEC 60172	> 180 °C
Dielectric loss factor tan δ – break point ¹⁾	180 °C
Processibility	
Thermal overloading	–
Extreme processibility	good
Solderability	good
Soldering temperature	≥ 470 °C
Resistance to impregnants	good
¹⁾ Coordinates with linear gradations	
²⁾ VD = Pre-stretching	