SALFLEX 180

Characteristics		
Conductor material	Copper	Aluminium
Thermal class (temperature index)	Cu: H (180 °C)	Al: H (180 °C)
Chemical composition **Base resins** **Overcoat** **Bonding coat**	Modified polyurethanes - -	
Reference to the International Standards	Copper	Aluminium
	IEC 60317-51 NEMA MW 1000 spec. MW 82-C	IEC 60317-51 NEMA MW 1000 spec. MW 82-C
UL – approval	File E 60641	
Diameters range **grade 1 (L)** **grade 2 (2L)**	Copper	Aluminium
	Ø 0,018 ÷ 2,240 mm Ø 0,050 ÷ 1,800 mm	Ø 0,150 ÷ 0,630 mm Ø 0,150 ÷ 0,630 mm
Cut-through temperature **Ø 0,050 mm** **Ø 0,500 mm**	Higher than 240 ºC Higher than 260 ºC	
Heat shock to IEC standard **Ø 0,300 mm** **Ø 0,500 mm**	230 ÷ 240 ºC 220 ÷ 230 ºC	
Significant properties	• Directly solderable without any prior mechanical stripping of the enamel at the temperature: Ø 0,050 mm at 370 ÷ 390 ºC in 1” Ø 0,500 mm at 380 ÷ 400 ºC in 2” • Due to a good surface smoothness and copper softness it is excellent for fine wire windings requiring high filling factor • Good thermal resistance (180 ºC) • Good mechanical resistance •Excellent resistance to sizing of epoxied and polyamide resins	
Recommended applications	It is especially suitable for applications requiring automated soldering systems: small transformers, small motors, measuring equipment, impregnated and unimpregnated coils operating at a max. temperature of 180 ºC	