


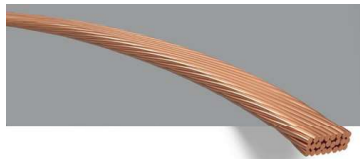





Type	Basic	Taped	Extruded	Profiled	Served	With strain relief		EFOLIT®
								
Diameter of Magnet Wire	0.010 - 0.500 mm	0.040 - 0.500 mm	0.032 - 0.500 mm	0.200 - 0.500 mm	0.020 - 0.300 mm	0.032 - 0.500 mm		0.030 - 0.300 mm
No. of wires	2 - 25.000 strands	max. 25.000 strands	max. 700 strands	max. 25.000 strands	2 - 23.000 strands	max. 500 strands		max. 23.000 strands
Total outer diameter	0.095 - 15.0 mm	1.0 - 10.0 mm	0.4 - 1.2 mm	max. 10.0 mm	Silk: 0.071 - 4.0 mm Nylon: 0.071 - 10.0 mm	0.4 - 1.2 mm		0.5 - 5.0 mm
Total copper cross section	80 mm²	36 mm²	0.5 mm²	36 mm²	Silk: 6 mm² Nylon: 36 mm²	0.38 mm²		up to 10.6 mm²
Outer coating	-	PET (Thermal class A-F) PEN (Thermal class B-H) PI (Thermal class H-C)	Polyamide Polyester Polyurethane	optional with/out serving Serving: Nylon Taping: PET,PEN,PI	Natural silk Nylon Polyester	optional with/out extrusion: Polyamide Polyester Polyurethane		Taping: PET PEN
Additional options	-	Overlapping of tape: 50 or 67 %  No. of tapes (max.): 2	Wallthickness overcoat: 0.1 - 0.4 mm	Min. construction (H x W): 1.2 x 1.2 mm  Ratio hight : width (H : W): 1 : 2 (1 : 3, where appropriate)  Tolerance (+/-): 0.1 mm	No. of layers (max.): 2	Multifilament:	optional:	Taping construction: 3 layers (min.)
						PES	30 - 450 dtex	
						LCP	Fmax = 1.53 - 99.2 N	
						Aramide	Dension: 3.3 - 12.4 %	
Characteristics	Flexible optimization of construction and conductor material possible acc.: <ul style="list-style-type: none"><li>• HF-performance, resistance</li><li>• high flexibility, flexlife-performance</li><li>• form stability</li></ul>	<ul style="list-style-type: none"><li>• very high electric break down voltage</li><li>• high mechanical robustness</li><li>• optimal round form stability (e.g. for layered winding)</li></ul>	<ul style="list-style-type: none"><li>• high mechanical robustness</li><li>• high flexibility</li><li>• good resistance against water, oils and grease</li><li>• increased electric break down voltage</li></ul>	<ul style="list-style-type: none"><li>• increase of copper filling factor up to 20 %</li><li>• high flexibility and dimensional stability</li><li>• good windability</li><li>• optional with/out outer coating</li></ul>	<ul style="list-style-type: none"><li>• optimal round form stability (e.g. for layered winding)</li><li>• specified distance between windings</li><li>• resistance against splicing in combination with high flexibility</li><li>• support for impregnation- &amp; potting processes</li></ul>	<ul style="list-style-type: none"><li>• very high tensile strength possible</li><li>• smallest litz wire constructions with highest tensile strenght and flexlife performance</li><li>• very good processability also for very small litz wires</li><li>• combination of all conductor and coating materials possible</li></ul>		VDE-certified acc.: DIN EN 60950/U, 62378/J, 61558/K, 62368/J, 60601/L  Max. working voltage: 1000 Vrms / 1414 Vpeak  Max. frequency: 500 kHz  Thermal class: F/155 °C, H/180 °C
Typical applications	Transformers, Chokes, RF-tranducers, medical applications, sensors, electronic ballasts, switching power supplies, heating applications	Inverter, RF-transformers, RF-transducers, RF-chokes, Inductive charger	Heating applications, Smart Textiles, Patient Comfort	Induction cooking hobs, RF-transformers, RF-chokes, E-motors	Inverter, RF-transformers, RF-transducers, RF-chokes, Inductive charger	Automotive industry, industrial applications, medical applications, Smart Textiles, special applications for technical textiles, sports equipment		Inverter, RF-transformers, RF-transducers, RF-chokes, Inductive charger