

STANDARD DIAMETERS, MANUFACTURING SPECIFICATIONS (Dimensions in mm)

We recommend to select conductors of nominal diameter within the range of standardized diameters.

On request, we can provide intermediate diameters (depending on quantity).

0,032	0,080	0,200	0,500	1,250	3,150
0,036	0,090	0,224	0,560	1,400	3,550
0,040	0,100	0,250	0,630	1,600	4,000
0,045	0,112	0,280	0,710	1,800	4,500
0,050	0,125	0,315	0,800	2,000	5,000
0,056	0,140	0,355	0,900	2,240	
0,063	0,160	0,400	1,000	2,500	
0,071	0,180	0,450	1,120	2,800	

ESSEX PRODUCT NAME CHART

Example with Magnebond CAR-200

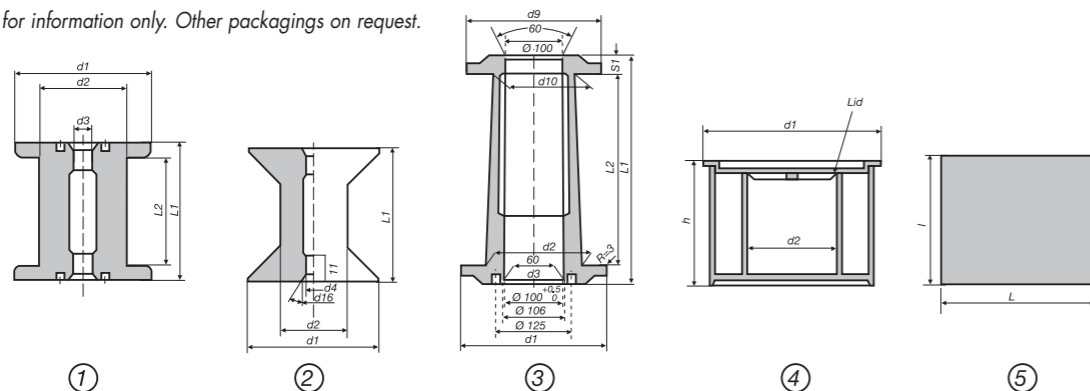
Magnebond®	C A R	200
FAMILY	Each code corresponds to a type of insulation	Temperature index of the primary insulation according to IEC/NEMA:
Magneform® Wire for transformers	CODE INSULATION TYPE	95 105 120 130 155 180 200 220 240
Magnebond® Bondable	X EPOXY	
Magnesol® Solderable	N POLYAMIDE	
Magnetemp® High Temperature	L POLYAMIDE ALIPHATIC	
	B POLYAMIDE AROMATIC	
	R POLYAMIDE AROMATIC ROTOR	
	A POLYAMIDE IMIDE	
	K POLYESTER	
	P POLYESTER THEIC	
	D POLYESTERIMIDE-IMIDE	
	E POLYESTERIMIDE (Solderable)	
	C POLYESTERIMIDE THEIC	
	Y POLYIMIDE	
	U POLYURETHANE	
	V POLYVINYL BUTYRAL	
	F POLYVINYL ACETAL	
	T COPOLYESTER	

PACKAGING AND SPOOLS (Dimensions in mm)

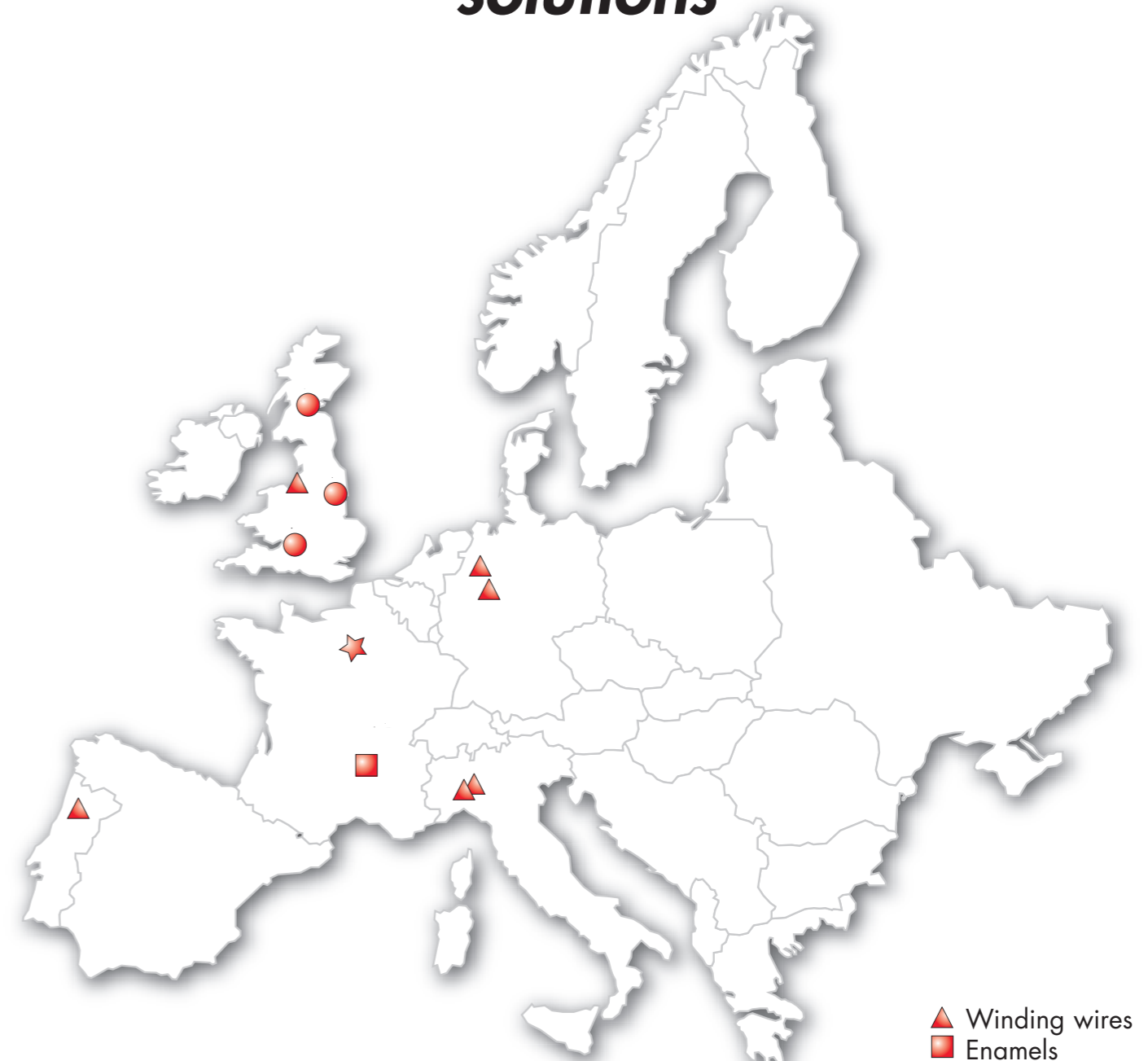
For each range of diameters, we recommend the type of spool given in the following table.

SPOOLS	CODE	DIAMETERS	AVERAGE WEIGHT (kg)	DIMENSIONS (mm)					COVERS	
				d1	d2	d3	l1	l2	d	h
CYLINDRICAL (1)	D 80	< 0,040	0,5	80	50	16	80	64	305	295
	D 100	0,040 - 0,1	1,1	100	63	16	100	80		
	D 125	0,040 - 0,1	3	125	80	16	125	100		
	D 160	0,040 - 0,3	7	160	100	22	160	128		
	D 200	0,040 - 0,3	10	200	125	22	200	160		
	D 250	0,040 - 0,3	20	250	160	22	200	160		
	D 355	1,001 - 5,0	35	355	224	36	200	160		
	D 500	1,001 - 5,0	70	500	315	36	250	180		
BICONICAL (2)	HK 76	< 0,030	0,3	64	44,4	16	86	60	305	295
	HK 100	< 0,030	0,8	100	56	16	100	49		
	HK 125	< 0,040	3	125	71	16	125	65		
	HK 160	0,040 - 0,150	6	160	90	22	160	85		
	HK 200	0,040 - 0,150	12	200	112	22	200	106		
	HK 250	0,040 - 0,150	20	250	140	22	250	133		
CONICAL/TAPER (3)	A 250/4	0,101 - 0,5	40	250-236	160-140	100	400	335	315	500
	A 315/5	0,151 - 1,0	80	315-300	200-180	100	500	425		
	A 400/6	0,151 - 3,0	160	400-375	250-224	100	630	530		
	A 500/8	0,375 - 2,36	380	500-475	315-280	100	800	670		
	A 630/9	0,301 - 3,0	700	630-600	400-355	100	935	850		
PACK (4)	F 500/4	1,001 - 5,0	150	d1	d2	h				
	F 500/8	1,001 - 5,0	250	510	315	400				
PALLET (5)	PW 1000	(Wood industry pallet)		L	l					
	PW 800	(Wood europallet)		1200	800					
	PI 702	(Iron)		785	785					

These data are for information only. Other packagings on request.



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Round Enamelled Copper Wire Product Range



ENAMELLED WIRE : TABLE OF DIMENSIONAL CHARACTERISTICS

COPPER							STANDARD WIRES				SELF-BONDING WIRES		
Ø (mm)	Tolerance ± mm	Cross-section (mm ²)	Mass g/m	Resistance load per unit length			GRADE 1		GRADE 2		bondcoat increase mm min.	GRADE 1B D mm max.	GRADE 2B D mm max.
				Min. Ω/m	Rated nominal Ω/m	Max. Ω/m	(D-d) mm min.	D mm max.	(D-d) mm min.	D mm max.			
*0,032		0,00080	0,0071	19,13	21,25	23,38	0,003	0,039	0,006	0,043			
0,034		0,00091	0,0081	16,94	18,83	20,71	0,003	0,041	0,006	0,046			
*0,036		0,00102	0,0090	15,16	16,79	18,42	0,003	0,044	0,006	0,049			
0,038		0,00113	0,0101	13,61	15,07	16,53	0,004	0,046	0,008	0,051			
*0,040		0,00126	0,0112	12,28	13,60	14,92	0,004	0,049	0,008	0,054			
0,043		0,00145	0,0129	10,63	11,77	12,91	0,004	0,052	0,008	0,058			
*0,045		0,00159	0,0141	9,705	10,75	11,79	0,004	0,055	0,008	0,061			
0,048		0,00181	0,0161	8,530	9,447	10,36	0,005	0,059	0,010	0,065			
*0,050		0,00196	0,0175	7,922	8,706	9,489	0,005	0,060	0,010	0,066	0,005	0,068	0,074
0,053		0,00221	0,0196	7,051	7,748	8,446	0,005	0,064	0,010	0,070	0,005	0,072	0,078
*0,056		0,00246	0,0219	6,316	6,940	7,565	0,005	0,067	0,010	0,074	0,005	0,075	0,082
0,060		0,00283	0,0251	5,502	6,046	6,590	0,006	0,072	0,012	0,079	0,005	0,081	0,088
*0,063		0,00312	0,0277	5,045	5,484	5,922	0,006	0,076	0,012	0,083	0,005	0,085	0,092
0,067	0,003	0,00353	0,0313	4,461	4,848	5,236	0,007	0,080	0,012	0,088	0,006	0,090	0,098
*0,071	0,003	0,00396	0,0352	3,941	4,318	4,747	0,007	0,084	0,012	0,091	0,006	0,094	0,101
0,075	0,003	0,00442	0,0393	3,547	3,869	4,235	0,007	0,089	0,014	0,095	0,007	0,100	0,106
*0,080	0,003	0,00503	0,0447	3,133	3,401	3,703	0,007	0,094	0,014	0,101	0,007	0,105	0,112
0,085	0,003	0,00567	0,0504	2,787	3,012	3,265	0,008	0,100	0,015	0,107	0,007	0,112	0,119
*0,090	0,003	0,00636	0,0566	2,495	2,687	2,900	0,008	0,105	0,015	0,113	0,007	0,117	0,125
0,095	0,003	0,00709	0,0630	2,247	2,412	2,594	0,008	0,111	0,016	0,119	0,007	0,123	0,131
*0,100	0,003	0,00785	0,0698	2,034	2,176	2,333	0,008	0,117	0,016	0,125	0,007	0,129	0,137
0,106	0,003	0,00882	0,0785	1,816	1,937	2,069	0,009	0,123	0,017	0,132	0,008	0,136	0,145
*0,112	0,003	0,00985	0,0876	1,632	1,735	1,848	0,009	0,130	0,017	0,139	0,008	0,143	0,152
0,118	0,003	0,01094	0,0972	1,474	1,563	1,660	0,010	0,136	0,019	0,145	0,009	0,150	0,159
*0,125	0,003	0,01227	0,1091	1,317	1,393	1,475	0,010	0,144	0,019	0,154	0,009	0,158	0,168
0,132	0,003	0,01368	0,1217	1,184	1,249	1,319	0,011	0,152	0,021	0,162	0,010	0,167	0,177
*0,140	0,003	0,01539	0,1369	1,055	1,110	1,170	0,011	0,160	0,021	0,171	0,010	0,175	0,186
0,150	0,003	0,01767	0,1571	0,9219	0,9673	1,016	0,012	0,171	0,023	0,182	0,010	0,186	0,197
*0,160	0,003	0,02011	0,1787	0,8122	0,8502	0,8906	0,012	0,182	0,023	0,199	0,010	0,197	0,209
0,170	0,003	0,02270	0,2018	0,7211	0,7531	0,7871	0,013	0,194	0,025	0,205	0,010	0,210	0,221
*0,180	0,003	0,02545	0,2262	0,6444	0,6718	0,7007	0,013	0,204	0,025	0,217	0,010	0,220	0,233
0,190	0,003	0,02835	0,2521	0,5794	0,6029	0,6278	0,014	0,216	0,027	0,228	0,011	0,233	0,245
*0,200	0,003	0,03142	0,2793	0,5237	0,5441	0,5657	0,014	0,226	0,027	0,239	0,011	0,243	0,256
0,212	0,003	0,03530	0,3138	0,4669	0,4843	0,5026	0,015	0,240	0,029	0,254	0,012	0,258	0,272
*0,224	0,003	0,03941	0,3503	0,4188	0,4338	0,4495	0,015	0,252	0,029	0,266	0,012	0,270	0,284
0,236	0,004	0,04374	0,3889	0,3747	0,3908	0,4079	0,017	0,267	0,032	0,283	0,013	0,286	0,302
*0,250	0,004	0,04909	0,4364	0,3345	0,3482	0,3628	0,017	0,281	0,032	0,297	0,013	0,300	0,316
0,265	0,004	0,05515	0,4903	0,2982	0,3099	0,3223	0,018	0,297	0,033	0,314	0,013	0,316	0,333
*0,280	0,004	0,06158	0,5474	0,2676	0,2776	0,2882	0,018	0,312	0,033	0,329	0,013	0,331	0,348
0,300	0,004	0,07069	0,6284	0,2335	0,2418	0,2506	0,019	0,334	0,035	0,352	0,014	0,354	0,372
*0,315	0,004	0,07793	0,6928	0,2121	0,2193	0,2270	0,019	0,349	0,035	0,367	0,014	0,369	0,387
0,335	0,004	0,08814	0,7836	0,1878	0,1939	0,2004	0,020	0,372	0,038	0,391	0,015	0,393	0,412
*0,355	0,004	0,09898	0,8799	0,1674	0,1727	0,1782	0,020	0,392	0,038	0,411	0,015	0,413	0,432
0,375	0,005	0,11045	0,9819	0,1494	0,1548	0,1604	0,021	0,414	0,040	0,434	0,016	0,436	0,456
*0,400	0,005	0,12566	1,1172	0,1316	0,1360	0,1407	0,021	0,439	0,040	0,459	0,016	0,461	0,481
0,425	0,005	0,14186	1,2612	0,1167	0,1205	0,1244	0,022	0,466	0,042	0,488	0,016	0,489	0,511
*0,450	0,005	0,15904	1,4139	0,1042	0,1075	0,1109	0,022	0,491	0,042	0,513	0,016	0,514	0,536
0,475	0,005	0,17721	1,5754	0,09366	0,09646	0,09938	0,024	0,519	0,045	0,541	0,017	0,543	0,565
*0,500	0,005	0,1963	1,746	0,08462	0,08706	0,08959	0,024	0,544	0,045	0,566	0,017	0,568	0,590
0,530	0,006	0,2206	1,961	0,07512	0,07748	0,07995	0,025	0,568	0,047	0,600	0,017	0,600	0,624
*0,560	0,006	0,2463	2,190	0,06736	0,06940	0,07153	0,025	0,606	0,047	0,630	0,017	0,630	0,654
0,600	0,006	0,2827	2,514	0,05876	0,06046	0,06222	0,027	0,649	0,050	0,674	0,018	0,674	0,699
*0,630	0,006	0,3117	2,771	0,05335	0,05484	0,05638	0,027	0,679	0,050	0,704	0,018	0,704	0,729
0,670	0,007	0,3526	3,134	0,04708	0,04848	0,04994	0,028	0,722	0,053	0,749	0,019	0,748	0,775
*0,710	0,007	0,3959	3,520	0,04198	0,04318	0,04442	0,028	0,762	0,053	0,789	0,019	0,788	0,815
0,750	0,008	0,4418	3,927	0,03756	0,03869	0,03987	0,030	0,805	0,056	0,834	0,020	0,832	0,861
*0,800	0,008	0,5027	4,469	0,03305	0,03401	0,03500	0,030	0,855	0,056	0,884	0,020	0,882	0,911
0,850	0,009	0,5675	5,045	0,02925	0,03012	0,03104	0,032	0,909	0,060	0,939	0,020	0,937	0,967
*0,900	0,009	0,6362	5,656	0,02612	0,02687	0,02765	0,032	0,959	0,060	0,989	0,020	0,987	1,017
0,950	0,010	0,7088	6,301	0,02342	0,02412	0,02484	0,034	1,012	0,063	1,044	0,021	1,041	1,073
*1,000	0,010	0,7854	6,982	0,02116	0,02176	0,02240	0,034	1,062	0,063	1,094	0,021	1,091	1,123
1,060	0,011	0,8825	7,845		0,01937		0,034	1,124	0,065	1,157	0,022	1,154	1,187
*1,120	0,011	0,9852	8,758		0,01735		0,034	1,184	0,065	1,217	0,022	1,214	1,247
1,180	0,012	1,094	9,722		0,01563		0,035	1,246	0,067	1,279	0,022	1,276	1,309
*1,250	0,013	1,227	10,91		0,01393		0,035	1,316	0,067	1,349	0,022	1,346	1,379
1,320	0,013	1,368	12,17		0,01249		0,036	1,388	0,069	1,422	0,023	1,419	1,453
*1,400	0,014	1,539	13,69		0,01110		0,036	1,468	0,069	1,502	0,023	1,499	1,533
1,500	0,015	1,767	15,71		0,009673		0,038	1,570	0,071	1,602	0,023	1,602	1,638
*1,600	0,016	2,011	17,87		0,008502		0,038	1,670	0,071	1,706	0,023	1,702	1,738
1,700	0,017	2,270	20,18		0,007531		0,039	1,772	0,073	1,809	0,024	1,805	1,842
*1,800	0,018	2,545	22,62		0,006718		0,039	1,872	0,073	1,909	0,024	1,905	1,942
1,900	0,019	2,835	25,21		0,006029		0,040	1,974	0,075	2,012	0,025	2,008	2,046
*2,000	0,020	3,142	27,93		0,005441		0,040	2,074	0,075	2,112	0,025	2,108	2,146
2,120	0,021	3,530	31,38		0,004843		0,041	2,196	0,077	2,235			
*2,240	0,022	3,941	35,03		0,004338		0,041	2,316	0,077	2,355			
2,360	0,024	4,374	38,89		0,003908		0,042	2,438	0,079	2,478			
*2,500	0,025	4,909	43,64		0,003482		0,042	2,578	0,079	2,618			
2,650	0,027	5,515	49,03		0,003099		0,043	2,730	0,081	2,772			
*2,800	0,028	6,158	54,74		0,002776		0,043	2,880	0,081	2,922			
3,000	0,030	7,069	62,84		0,002418		0,045	3,083	0,084	3,126			
*3,150	0,032	7,793	69,28		0,002193		0,045	3,233	0,084	3,276			
3,350	0,034	8,814	78,36		0,001939		0,046	3,435	0,086	3,479			
*3,550	0,036	9,898	87,99		0,001727		0,046	3,635	0,086	3,679			
3,750	0,038	11,04	98,19		0,001548		0,047	3,838	0,089	3,883			
*4,000	0,040												

meet all your

	Transformers				Solderable						High Temperature				
	MAGNEFORM F-120	MAGNESOL UN-155	MAGNESOL UN-180	MAGNESOL E-180	STANDARDS	MAGNETEMP C-180	MAGNETEMP CA-200	MAGNETEMP PA-200	MAGNETEMP A-220	MAGNETEMP Y-240					
STANDARDS	IEC 60317-12 NEMA MW 15/17	IEC 60317-20/21 NEMA MW 79/80	IEC 60317-51/55 NEMA MW 82/83	IEC 60317-23 NEMA MW 77/78	STANDARDS	IEC 60317-8 NEMA MW 30/76	IEC 60317-13 NEMA MW 35/73	IEC 60317-13 NEMA MW 35/73	IEC 60317-26 NEMA MW 81	IEC 60317-46 NEMA MW 16					
Underwriters Laboratories (UL) Listing	-	Class 155	Class 180	Class 180	Underwriters Laboratories (UL) Listing	Class 180	Class 200	Class 200	Class 220	Class 240					
DIAMETER	0,6 to 5 mm	0,02 to 2 mm	0,02 to 1 mm	0,03 to 0,71 mm	DIAMETER	0,05 to 5 mm	0,10 to 5 mm	0,56 to 5 mm	0,132 to 1,25 mm	0,05 to 1 mm					
THICKNESS	Grade 1 and Grade 2 Grade 3 on request	Grade 1 and Grade 2, Grade 3 on request	Grade 1 and Grade 2, Grade 3 on request	Grade 1 and Grade 2, Grade 3 on request	THICKNESS	Grade 1 and Grade 2	Grade 1 and Grade 2 Grade 3 on request	Grade 1 and Grade 2	Grade 1 and Grade 2	Grade 1 and Grade 2					
COLOR	Natural	Natural and red	Natural	Natural	COLOR	Natural	Natural	Natural	Natural	Natural					
INSULATION	Polyvinyl acetal enamelled copper wire	Solderable polyurethane enamelled copper wire with a polyamide overcoat	Solderable polyurethane enamelled copper wire with a polyamide overcoat	Solderable polyesterimide enamelled copper wire	INSULATION	Polyesterimide (THEIC) enamelled copper wire	Polyesterimide enamelled copper wire with a polyamide-imide overcoat	Polyester (THEIC) enamelled copper wire with a polyamide-imide overcoat	Polyamide-imide enamelled copper wire	Polyimide enamelled copper wire					
TEMPERATURE INDEX	120°C	155°C	180°C	190°C	TEMPERATURE INDEX	192°C	210°C	210°C	225°C	243°C					
5000 H LIFE TEST	140°C	175°C	200°C	210°C	5000 H LIFE TEST	212°C	230°C	230°C	245°C	263°C					
HEAT SHOCK (IEC/NEMA)	155°C/175°C	175°C	200°C	200°C	HEAT SHOCK (IEC/NEMA)	200°C	220°C	220°C	240°C	260/280°C					
CUT THROUGH TEMPERATURE	≥ 215°C	≥ 220°C	≥ 250°C	≥ 270°C	CUT THROUGH TEMPERATURE	≥ 320°C	≥ 340°C	≥ 340°C	≥ 400°C	≥ 500°C					
BREAKDOWN VOLTAGE	≥ 1,5 IEC values	≥ 1,5 IEC values	≥ 1,5 IEC values	≥ 1,5 IEC values	BREAKDOWN VOLTAGE	≥ 1,5 IEC values	≥ 1,5 IEC values	≥ 1,5 IEC values	≥ 1,5 IEC values	≥ 1,5 IEC values					
SOLDERABILITY	n.a.	390°C, 2 sec.	390°C, 3 sec.	470°C, 2 sec.											
CHEMICAL RESISTANCE	Good and very good (transformer oils)	Good	Good	Good	CHEMICAL RESISTANCE	Good	Good	Good	Very good	Very Good					
OPTIONS	Magneform F-120 can be ordered with a polyamide overcoat under the trademark Magneform FN-120	Magnesol UN-155 can be ordered without a polyamide overcoat under the trademark Magnesol U-155	Magnesol UN-180 can be ordered without a polyamide overcoat under the trademark Magnesol U-180	Magnesol E-180 can be ordered with a polyamide overcoat under the trademark Magnesol EN-180	OPTIONS	Magnetemp C-180 can be ordered with a polyamide overcoat under the trademark Magnetemp CN-180	Magnetemp CA2-200 can be ordered as a selflubricated wire designed for high speed winding process.								
APPLICATIONS	Oil filled and chlorinated dielectric transformers, dry-type transformers and electrical coils designed to class A and E.	Relays, transformers, television and car components, micro motors and low range motors. Connection without stripping and automatic processes : Fine and ultrafine windings.	Relays, transformers, television and car components, micro motors and low range motors. Connection without stripping and automatic processes : Fine and ultrafine windings.	Special for windings that experience severe heat overloads, micro-motors, relays, solenoid valves, transformers. Connection without stripping and automatic processes : Fine and ultrafine windings.	APPLICATIONS	Windings on automatic winding machines, coils impregnated or encapsulated with solvent free resins.	Windings on high-speed automatic machines, windings that experience severe heat overloads as well as mechanical or chemical stress.	Windings for the automotive industry, demanding mechanical requirements, severe winding conditions and unusual shapes.	Windings for special motors, special relays and special transformers, windings able to withstand radiation and therefore manufactured according to nuclear industry requirements.	Electrical machines supporting high thermal overloads, traction motors, relays, transformers and special motors.					

These values are for information only.

our challenges

	Bondable and Solderable				Bondable			
	MAGNEBOND UL1-180	MAGNEBOND EL-180	MAGNEBOND EAL-180		MAGNEBOND CAL-200	MAGNEBOND CAT-200	MAGNEBOND CAB-200	MAGNEBOND CAR-200
THERMAL CLASS (BASE COAT)	180	180	180	THERMAL CLASS (BASE COAT)	200	200	200	200
STANDARDS	IEC 60317-35 NEMA MW 3	IEC 60317-36	IEC 60317-36	STANDARDS	IEC 60317-38	IEC 60317-38	IEC 60317-38 NEMA MW 102	IEC 60317-38 NEMA MW 102
Underwriters Laboratories (UL) Listing	Class 155	Class 155	Class 180	Underwriters Laboratories (UL) Listing	Class 180	Class 180	Class 200	Class 200
DIAMETER	0,15 to 1,00 mm	0,132 to 1,18 mm	0,15 to 0,60 mm	DIAMETER	0,15 to 1,25 mm	0,25 to 0,60 mm	0,12 to 1,40 mm	0,12 to 1,40 mm
THICKNESS	Grade 1 B and Grade 2 B	Grade 1 B and Grade 2 B	Grade 1 B and Grade 2 B	THICKNESS	Grade 1 B and Grade 2 B	Grade 1 B and Grade 2 B	Grade 1 B and Grade 2 B	Grade 1 B and Grade 2 B
COLOR	Natural	Natural	Natural	COLOR	Natural	Natural	Natural, red and green	Natural, red and green
INSULATION	Solderable polyurethane enamelled copper wire with a polyamide aliphatic bondcoat free of solvent, called ecobond	Solderable polyesterimide enamelled copper wire with a polyamide aliphatic bondcoat	Solderable polyesterimide enamelled copper wire with a polyamide-imide overcoat and a polyamide aliphatic bondcoat	INSULATION	Polyesterimide (THEIC) enamelled copper wire with a polyamide-imide overcoat and a polyamide aliphatic bondcoat	Polyesterimide (THEIC) enamelled copper wire with a polyamide-imide overcoat and a copolyester bondcoat	Polyesterimide (THEIC) enamelled copper wire with a polyamide-imide overcoat and a polyamide aromatic bondcoat	Polyesterimide (THEIC) enamelled copper wire with a polyamide-imide overcoat and a polyamide aromatic rotor bondcoat
TEMPERATURE INDEX	160°C	172°C	195°C	TEMPERATURE INDEX	195°C	200°C	210°C	210°C
5000 H LIFE TEST	180°C	192°C	215°C	5000 H LIFE TEST	215°C	220°C	230°C	230°C
HEAT SHOCK (IEC/NEMA)	175°C	175°C	200°C	HEAT SHOCK (IEC/NEMA)	200°C	220°C	220°C	220°C
CUT THROUGH TEMPERATURE	≥ 250°C	≥ 270°C	≥ 270°C	CUT THROUGH TEMPERATURE	≥ 340°C	≥ 340°C	≥ 340°C	≥ 340°C
BREAKDOWN VOLTAGE	≥ 1,5 IEC values	≥ 1,5 IEC values	≥ 1,5 IEC values	BREAKDOWN VOLTAGE	≥ 1,5 IEC values	≥ 1,5 IEC values	≥ 1,5 IEC values	≥ 1,5 IEC values
SOLDERABILITY	390°C, 4 sec.	470°C, 4 sec.	470°C, 4 sec.	RESOFTENING TEMPERATURE	160°C	180°C	200°C	240°C
RESOFTENING TEMPERATURE	180°C	160°C	160°C	RESOFTENING TEMPERATURE	160°C	180°C	200°C	240°C
USING CONDITIONS	Bonding temperature between 190°C and 220°C (ecobond), according to the type of aliphatic polyamide bondcoat used (information on request from our technical department).	Optimum bonding temperature between 170°C and 200°C. Accurate quantity of energy. Minimum tightening pressure between the elements of the coil being bonded.	Optimum bonding temperature between 170°C and 200°C. Accurate quantity of energy. Minimum tightening pressure between the elements of the coil being bonded.	USING CONDITIONS	Optimum bonding temperature between 170°C and 200°C. Accurate quantity of energy. Minimum tightening pressure between the elements of the coil being bonded.	Optimum bonding temperature between 210°C and 240°C. Accurate quantity of energy. Minimum tightening pressure between the elements of the coil being bonded.	Optimum bonding temperature between 190°C and 230°C. Accurate quantity of energy. Minimum tightening pressure between the elements of the coil being bonded.	Optimum bonding temperature between 200°C and 240°C. Accurate quantity of energy for the bonding process. Minimum tightening pressure between the elements of the coil being bonded.
APPLICATIONS	Deflection yokes for monitors, electrical motors, solenoids.	Deflection yokes for monitors, stators of motors solenoids.	Deflection yokes for monitors, stators of motors solenoids.	APPLICATIONS	Deflection yokes for monitors, stators of motors solenoids.	All types of motors of motors and solenoids.	Motors : fields and armature, dry-type transformers and inductive coils.	Motors : fields and armatures, many application in the automotive industry, as well as other areas which may experience high levels of chemical contact.