



Presentation:

Our main supplier of enameled wire is the EDERFIL BECKER GROUP. They have been producing round and rectangular enameled copper and aluminum electrical conductors for over 70 years, for supply to different sectors: automotive, energy, transformers, wind power, industrial engines, electrical generators, etc. They are one of the leading manufacturers in the enameled wire sector internationally. They export more than 80% of their products worldwide. Their customers include some of the world's leading manufacturers and developers of solutions for the energy and e-mobility sectors.

Class C enameled copper and aluminum wire is shown below. Other classes, such as F, H and flat wire, can be made to order.

Round Copper Wire C200 PLUS Image



Features :

Section: Round
Material: Copper
Thermal class: 200 °C (220°C)
Enamel polymer: PEI + Al
Grades: 2
Diameters: 0,010 – 5 mm
(Other diameters and flat wires are available on request)

Composition :

It is a class H enamelled wire with high mechanical and thermal properties. Structurally, the wire consists of a single POLYESTER or POLYESTER-IMIDE and a POLYAMIDE-IMIDE top coat. Each varnish layer gives the final yarn excellent industrial properties.

Application :

The automotive industry, energy, transformers, wind power, industrial motors, electric generators...

Round copper enamelled wire table:

Reference	Nominal diameter d (mm)	Diameter d (mm)		Outside diameter grade 2 d2 (mm)		
		d min	d Max	Δ minenamel	d2 min	d Max
B10	0,1	0,097	0,103	0,016	0,118	0,125
B18	0,18	0,177	0,183	0,025	0,205	0,217
B20	0,2	0,197	0,203	0,027	0,227	0,239
B22	0,224	0,221	0,227	0,029	0,253	0,266
B25	0,25	0,246	0,254	0,032	0,282	0,297
B28	0,28	0,276	0,284	0,033	0,313	0,329
B30	0,3	0,296	0,304	0,035	0,335	0,352
B35	0,35	0,346	0,354	0,038	0,388	0,406
B40	0,4	0,395	0,405	0,04	0,44	0,459
B45	0,45	0,445	0,455	0,042	0,492	0,513
B50	0,5	0,495	0,505	0,045	0,545	0,566
B55	0,55	0,544	0,556	0,047	0,597	0,62
B56	0,56	0,554	0,566	0,047	0,607	0,63
B60	0,6	0,594	0,606	0,05	0,65	0,674
B63	0,63	0,624	0,636	0,05	0,68	0,704
B65	0,65	0,643	0,657	0,05	0,703	0,729
B71	0,71	0,703	0,717	0,053	0,763	0,789
B75	0,75	0,742	0,758	0,056	0,806	0,834
B80	0,8	0,792	0,808	0,056	0,856	0,884
B85	0,85	0,841	0,859	0,06	0,91	0,939
B90	0,9	0,891	0,909	0,06	0,96	0,989
B95	0,95	0,94	0,96	0,063	1,013	1,044
B100	1	0,99	1,01	0,063	1,063	1,094
B106	1,06	1,049	1,071	0,065	1,125	1,157
B112	1,12	1,109	1,131	0,065	1,185	1,217
B118	1,18	1,168	1,192	0,067	1,247	1,279
B122	1,22	1,207	1,233	0,067	1,287	1,319

Round copper enamelled wire table:

Reference	Nominal diameter d (mm)	Diameter d (mm)		Outside diameter grade 2 d2 (mm)		
		d min	d Max	Δ minenamel	d2 min	d Max
B125	1,25	1,237	1,263	0,067	1,317	1,349
B132	1,32	1,307	1,333	0,069	1,389	1,422
B140	1,4	1,386	1,414	0,069	1,469	1,502
B150	1,5	1,485	1,515	0,071	1,571	1,606
B160	1,6	1,584	1,616	0,071	1,671	1,703
B170	1,7	1,683	1,717	0,073	1,773	1,809
B180	1,8	1,782	1,818	0,073	1,873	1,909
B190	1,9	1,881	1,919	0,075	1,975	2,012
B200	2	1,98	2,02	0,075	2,075	2,112
B212	2,12	2,099	2,141	0,077	2,197	2,235
B224	2,24	2,218	2,262	0,077	2,317	2,355
B236	2,36	2,336	2,384	0,079	2,439	2,478
B250	2,5	2,475	2,525	0,079	2,579	2,618
B265	2,65	2,623	2,677	0,081	2,731	2,772
B280	2,8	2,772	2,828	0,081	2,881	2,922
B300	3	2,97	3,03	0,084	3,084	3,126
B315	3,15	3,118	3,182	0,084	3,234	3,276
B335	3,35	3,316	3,384	0,086	3,436	3,479
B355	3,55	3,514	3,586	0,086	3,636	3,679
B375	3,75	3,712	3,788	0,089	3,839	3,883
B400	4	3,96	4,04	0,089	4,089	4,133
B425	4,25	4,207	4,293	0,092	4,342	4,387
B450	4,5	4,455	4,545	0,092	4,592	4,637
B475	4,75	4,702	4,798	0,094	4,844	4,891
B500	5	4,95	5,05	0,094	5,094	5,141