

Polyesterimide enamelled round copper winding wires of class 2 (2EIW)

Dimensions				Minimum dielectric breakdown voltage V.	Failing load in resistance-to-abrasion test N (gf)		Maximum conductor resistance per unit length $\Omega / \text{km} (20^\circ \text{C})$	Minimum elongation %				
Conductor		Minimum film thickness mm.	Maximum overall thickness mm.		Average value (min.)	Lowest value (min.)						
Diameter mm.	Tolerance mm.											
0.06	± 0.003	0.004	0.081	950	-	-	6 966	10.0				
0.07			0.091				4 990					
0.08			0.103				3 778					
0.09		0.005	0.113	1100			2 959					
0.10			0.125				2 381					
0.11			0.135				1 957					
0.12			0.006				0.147	1300	1 636			
0.13							0.157		1 389			
0.14							0.167		1 193			
0.15		0.007	0.177	1600			1 037					
0.16			0.189				908.8					
0.17			0.199				803.2					
0.18	0.008		0.211		2000	715.0						
0.19			0.221			640.6						
0.20			0.231			577.2						
0.21	± 0.004	0.009	0.241	2150	522.8							
0.22			0.252		480.1							
0.23			0.264		438.6							
0.24			0.274		402.2							
0.25			0.284		370.2							
0.26			0.294		2.4 { 245}	2.1 { 214}	341.8					
0.27	0.304	2.5 { 255}	316.6									
0.28	± 0.005	0.010	0.314	2000	2.7 { 275}	2.4 { 245}	294.1					
0.29			0.324				273.9					
0.30			0.337				254.0					
0.32	± 0.006	0.011	0.357	2150	2.8 { 286}	2.5 { 255}	222.8					
0.35			0.387				185.7					
0.37			0.407				165.9					
0.40			0.439				3.2 { 326}	2.7 { 275}	141.7			
0.45			± 0.008				0.012	0.490	2400	3.6 { 367}	3.0 { 306}	112.1
0.50								0.542				89.95
0.55	0.592	74.18										
0.60	± 0.010	0.013	0.644	2400	3.7 { 377}	3.1 { 316}	62.64					
0.65			0.694				53.26					
0.70			0.746				4.1 { 418}	3.5 { 357}	45.84			
0.75			0.798				4.5 { 459}	3.8 { 388}	39.87			
0.80			± 0.012				0.014	0.852	2400	4.8 { 490}	4.1 { 418}	35.17
0.85								0.904				4.9 { 500}
0.90	0.956	5.2 { 530}		4.4 { 449}	27.71							
0.95	± 0.012	0.017	1.008	2400	5.6 { 571}	4.7 { 479}	24.84					
1.0			1.062				4.8 { 490}	22.49				