

Polyesteramide-imide enamelled round copper winding wires of class 0 (OAIW)

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.									
0.10	± 0.008	0.016	0.156	3 500	-	-	2 647	15.0		
0.11			0.166				2 153			
0.12			0.017				0.180		3 750	1 786
0.13							0.190			1 505
0.14							0.200			1 286
0.15		0.210		1 111						
0.16		0.018		0.222	969.5					
0.17			0.232	853.5						
0.18			0.019	0.246	3 800	757.2				
0.19				0.256		676.2				
0.20				0.266		607.6				
0.21		0.276		549.0						
0.22		0.286		498.4						
0.23		0.020	0.298	454.5						
0.24			0.308	416.2						
0.25			0.318	382.5						
0.26			± 0.01	0.330	4 200	5.4 { 551}	4.7 { 479}		358.4	
0.27				0.340		331.4				
0.28		0.350		307.3						
0.29		0.360		285.7						
0.30		0.021		0.374		4 500	5.8 { 592}		5.0 { 510}	262.9
0.32			0.394	230.0						
0.35			0.424	191.2						
0.37			0.022	0.446	6.3 { 643}		5.1 { 520}		170.6	
0.40				0.480	145.3					
0.45	0.532	114.2								
0.50	0.023	0.586		5 100	7.1 { 724}	6.1 { 622}	91.43			
0.55		± 0.02			0.646	7.5 { 765}	6.4 { 653}	78.15		
0.60			0.698		7.6 { 775}	6.5 { 663}	65.26			
0.65			0.752		8.0 { 816}	6.8 { 694}	55.31			
0.70			0.804		8.4 { 857}	7.2 { 734}	47.47			
0.75	0.860		8.8 { 898}	7.5 { 765}	41.19					
0.80	0.030	0.914	5 900	9.6 { 979}	8.1 { 826}	36.08				
0.85		0.966		8.5 { 867}	31.87					
0.90		1.020		10 { 1020}	8.8 { 898}	28.35				
0.95		1.072		11 { 1120}	9.1 { 928}	25.38				
1.0		± 0.03		0.036	6 300	12 { 1220}	10 { 1020}	23.33		
1.1	0.037		13 { 1330}	11 { 1120}		19.17				
1.2	1.242					16.04				
1.3	1.448					13.61				
1.4	1.548					11.70				
1.5	1.654	10.16								
1.6	0.041	1.754	14 { 1430}	12 { 1220}	8.906					
1.7		1.856			7.871					
1.8		1.956			7.007					
1.9		2.062			6.278					
2.0		2.162			5.656					
2.1	0.042	2.266	15 { 1530}	14 { 1430}	5.123					
2.2		2.368			4.662					
2.3		2.468			4.260					
2.4		2.574			3.908					
2.5		2.678			3.598					
2.6	0.044	2.778	16 { 1630}	15 { 1530}	3.324					
2.7		2.878			3.079					
2.8		2.978			2.861					
2.9		3.078			2.665					
3.0		3.178			2.489					
3.2	± 0.04	3.388	-	-	2.198					