

Polyurethane enamelled round copper winding wires of class 1 (IUEW), - N

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	0.009	0.140	2000	-	-	2647	15.0					
0.11			0.150				2200		2153				
0.12			0.010						0.162	1786			
0.13									0.172	1505			
0.14									0.182	1286			
0.15									0.192	1111			
0.16		0.011	0.204	969.5									
0.17			0.214	853.5									
0.18			0.012	0.226	757.2								
0.19		0.236		676.2									
0.20		0.246		607.6									
0.21		0.256		549.0									
0.22	0.266	498.4											
0.23	± 0.01	0.013		0.278	2400	3.4 { 347}	2.9 { 296}	454.5	20.0				
0.24			0.288	416.2									
0.25			0.298	382.5									
0.26			0.310	358.4									
0.27			0.320	331.4									
0.28			0.330	307.3									
0.29	0.340	285.7											
0.30	± 0.02	0.014	0.352	2800	3.7 { 377}	3.1 { 316}	262.9						
0.32			0.372				3.8 { 388}	3.2 { 326}	230.0				
0.35			0.402				191.2						
0.37			0.424				3.9 { 398}	3.3 { 337}	170.6				
0.40			0.015				0.456	4.2 { 428}	3.5 { 357}	145.3			
0.45							0.508	4.6 { 469}	3.8 { 388}	114.2			
0.50	± 0.03	0.017		0.560	3050	4.9 { 500}	4.2 { 428}	91.43					
0.55			0.620	5.0 { 510}				78.15					
0.60			0.672	4.3 { 439}				65.26					
0.65			0.018	0.724				5.4 { 551}	4.6 { 469}	55.31			
0.70				0.776				5.8 { 592}	4.9 { 500}	47.47			
0.75				0.830				6.1 { 622}	5.1 { 520}	41.19			
0.80	± 0.02	0.021	0.882	3400	6.5 { 663}	5.5 { 561}	36.08	25.0					
0.85			0.934				6.9 { 704}		5.8 { 592}	31.87			
0.90			0.986				7.3 { 745}		6.1 { 622}	28.35			
0.95			1.038				7.6 { 775}		6.4 { 653}	25.38			
1.0			± 0.03				0.025		1.102	4150	8.0 { 816}	6.7 { 683}	23.33
1.1									1.204				8.4 { 857}
1.2	1.304	8.5 { 867}		7.2 { 734}	16.04								
1.3	0.027	1.408		8.9 { 908}	7.5 { 765}	13.61							
1.4		1.508		9.0 { 918}	11.70								
1.5		1.612		9.5 { 969}	7.9 { 800}	10.16							