

Polyurethane enamelled round copper winding wires of class 2 (2UEW), - 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.								
0.020	± 0.002	0.003	0.030	100	-	-	69850	3.0	
0.025			0.037	120			42780	5.0	
0.03			0.044	150			28870		
0.04			0.056	200			15670	7.0	
0.05	± 0.003	0.004	0.069	950			10240	10.0	
0.06			0.081				6966		
0.07			0.091			4990			
0.08			0.005	0.103	1100				3778
0.09				0.113					2959
0.10			0.125			2381	15.0		
0.11			0.135			1957			
0.12			0.006	0.147	1300				
0.13	0.157					1389			
0.14	0.167			1193					
0.15	0.177			1037					
0.16	0.007	0.189			908.8				
0.17		0.199			803.2				
0.18	0.008	0.211	1600			715.0			
0.19		0.221				640.6			
0.20		0.231				577.2			
0.21		0.241				522.8			
0.22	± 0.004	0.009	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 {243}	2.0 {204}	341.8	20.0		
0.27		0.304				316.6			
0.28		0.314				294.1			
0.29		0.324				273.9			
0.30	± 0.005	0.010	0.337	2000	2.6 {265}	2.3 {235}		254.0	
0.32					0.357			2.7 {275}	222.8
0.35					0.387				185.7
0.37		0.407				165.9			
0.40	± 0.006	0.011	0.439		3.0 {306}	2.6 {265}		141.7	
0.45			0.490	0.490	3.1 {316}			112.1	
0.50	± 0.008	0.012	0.542	2150	3.5 {357}	2.9 {296}	89.95		
0.55							0.592		
0.60			0.644			3.0 {306}	62.64		
0.65			0.694			3.6 {367}	53.26		
0.70		0.013	0.746		3.9 {398}	3.3 {337}	45.84		
0.75		0.014	0.798	2400	4.3 {439}	3.6 {367}	39.87		
0.80	± 0.010	0.015	0.852		4.7 {479}	3.9 {398}	35.17	25.0	
0.85					0.904				31.11
0.90					0.956				5.0 {510}
0.95		0.017	1.008		5.4 {551}	4.5 {459}	24.84		
1.0	± 0.012		1.062			4.6 {469}	22.49		