

**Self-bonding polyurethane enamelled round copper winding wires of class 1 (1SBUEW)**

Dimensions					Minimum dielectric breakdown voltage V.	Maximum conductor resistance per unit length $\Omega / \text{km} (20^{\circ}\text{C})$	Minimum elongation %
Conductor		Minimum thickness of polyurethane layer mm.	Minimum film thickness mm.	Maximum overall diameter mm.			
Diameter mm.	Tolerance mm.						
0.05	$\pm 0.004$	0.004	0.005	0.083	950	10700	10.0
0.06	$\pm 0.006$		0.006				
0.07		0.005	0.007	0.106	1100	5469	4091
0.08	0.118						
0.09	$\pm 0.008$	0.008	0.128	1300	3175	2647	
0.10			0.140				
0.11	0.006	0.010	0.150	1600	2153	15.0	
0.12			0.162				
0.13	0.007	0.011	0.172	2000	1786	1505	
0.14			0.182				
0.15	0.008	0.012	0.192	2150	1111	969.5	
0.16			0.204				
0.17	$\pm 0.01$	0.013	0.214	2300	853.5	757.2	
0.18			0.226				
0.19	0.010	0.014	0.236	2450	676.2	607.6	
0.20			0.246				
0.21	0.011	0.015	0.256	2600	549.0	498.4	
0.22			0.266				
0.23	$\pm 0.02$	0.016	0.278	2750	454.5	416.2	
0.24			0.288				
0.25	0.012	0.017	0.298	2900	382.5	358.4	
0.26			0.310				
0.27	0.011	0.015	0.320	3050	331.4	307.3	
0.28			0.330				
0.29	0.012	0.017	0.340	3200	285.7	20.0	
0.30			0.352				
0.32	$\pm 0.01$	0.014	0.372	3350	262.9	230.0	
0.35			0.402				
0.37	0.011	0.015	0.424	3500	191.2	170.6	
0.40			0.456				
0.45	0.016	0.016	0.508	3650	145.3	114.2	
0.50			0.560				
0.55	$\pm 0.02$	0.017	0.620	3800	91.43	78.15	
0.60			0.672				