

Self-bonding polyurethane enamelled round copper winding wires of class 2 (2SBUEW)

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.							
0.025	± 0.002	0.002	0.003	0.037	60	42780	5.0	
0.03				0.044	70	28870		
0.04				0.056	100	15670		
0.05	± 0.003	0.003	0.004	0.069	700	10240	10.0	
0.06				0.081		6966		
0.07				0.091		4990		
0.08				0.005		0.103		3778
0.09						0.113		2959
0.10			0.004	0.006	0.125	850	2381	15.0
0.11					0.135		1957	
0.12					0.147		1636	
0.13					0.157		1389	
0.14					0.167		1193	
0.15	0.005	0.007	0.177	1000	1037	20.0		
0.16			0.189		908.8			
0.17			0.199		803.2			
0.18			0.008		0.211		715.0	
0.19	0.221	640.6						
0.20	± 0.004	0.006	0.231	1400	577.2	20.0		
0.21			0.241		522.8			
0.22			0.252		480.1			
0.23			0.264		438.6			
0.24			0.274		402.2			
0.25	± 0.005	0.007	0.284	1450	370.2	20.0		
0.26			0.294		341.8			
0.27			0.304		316.6			
0.28			0.314		294.1			
0.29	± 0.006	0.008	0.324	1450	273.9	20.0		
0.30			0.337		254.0			
0.32			0.357		222.8			
0.35	± 0.008	0.010	0.387	1450	185.7	20.0		
0.37			0.407		165.9			
0.40			0.011		0.439		141.7	
0.45	0.490	112.1						
0.50	± 0.006	0.008	0.542	1450	90.0	20.0		
0.55			0.592		74.1			
0.60	± 0.008		0.644		62.6			