

**Polyurethane enamelled round copper winding wires of class 3 (3UEW)**

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	0.002	0.028	40	-	-	69850	3.0			
0.025			0.034					60	5.0		
0.03			0.040					70			
0.04			0.052					100	7.0		
0.05	± 0.003	0.003	0.064	700			10240	10.0			
0.06			0.075						6966		
0.07			0.085						4990		
0.08			0.097						3778		
0.09			0.107						2959		
0.10			0.118						2381	15.0	
0.11			0.128					1957			
0.12			0.004					0.139	850		1636
0.13								0.149			1389
0.14			0.005						0.159	1000	
0.15	0.169	1037									
0.16	0.181	908.8									
0.17	0.191	803.2									
0.18	0.202	715.0									
0.19	0.212	640.6									
0.20	0.222	577.2									
0.21	0.232	522.8									
0.22	± 0.004	0.006	0.243				480.1				
0.23			0.255					438.6			
0.24			0.265					402.2			
0.25			0.275					370.2			
0.26			0.285		1.6 {163}	1.3 {133}	341.8				
0.27			0.295					316.6			
0.28			0.305					294.1			
0.29			0.315					273.9	20.0		
0.30	± 0.005	0.007	0.327	1400	1.9 {194}	1.6 {163}	254.0				
0.32			0.347				222.8				
0.35			0.377				185.7				
0.37			0.397				165.9				
0.40	± 0.006		0.429		2.0 {204}		141.7				
0.45			0.479					112.1			
0.50			0.008					0.531	1450	2.3 {235}	2.0 {204}
0.55	0.581	2.4 {245}		74.18							
0.60	± 0.008		0.632				62.64				