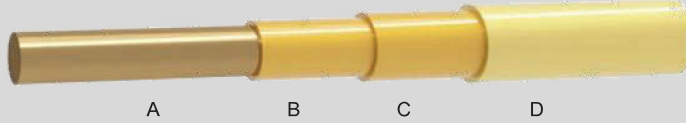


# STW-B<sup>®</sup>

## I Structure



A. Conductor  
 B. 1st Extruded Insulation: Polyester  
 C. 2nd Extruded Insulation: Polyester  
 D. 3rd Extruded Insulation: Polyamide compound

**Size Range:** 0.20mm - 1.00mm

**Insulation:**

1st Extruded Insulation: Polyester  
 2nd Extruded Insulation: Polyester  
 3rd Extruded Insulation: Polyamide compound

**Compliances:**

UL OBJT2 File Number: E242198  
 UL OBJS2 File Number: E303298  
 System Approvals: UL1446  
 YCI-130  
 IEC 60950-1, Annex U, IEC 60601-1(ed.3)  
 RoHS Compliant

**Conductor:**

Solid Bare Copper  
 Tinned copper  
 Nickel plated copper  
 Magnet Wires (OBMW2)

**Rating:**

Temp Class: 130°C  
 Rated Volts: 1410Vpeak

Part No.	Dimensions					Break Down Voltage (V)	Maximum Conductor Resistance (Ω/km)	Weight (kg/km)
	Conductor (mm)		Min. Insulation Thickness(mm)	Dimensions Overall				
	Diameter	Tolerance		Typical Overall Diameter	Max. Overall Diameter			
STW-B 0.20MM	0.20	± 0.008	0.084	0.38	0.42	7,000	607.6	0.3736
STW-B 0.25MM	0.25	± 0.008	0.084	0.43	0.47	7,000	382.5	0.5475
STW-B 0.30MM	0.30	± 0.010	0.084	0.48	0.54	7,000	262.9	0.7761
STW-B 0.32MM	0.32	± 0.010	0.084	0.50	0.56	7,000	230	0.8703
STW-B 0.35MM	0.35	± 0.010	0.084	0.53	0.59	7,000	191.2	1.022
STW-B 0.37MM	0.37	± 0.010	0.084	0.55	0.61	7,000	170.6	1.1301
STW-B 0.40MM	0.40	± 0.010	0.084	0.60	0.66	7,000	145.3	1.3276
STW-B 0.45MM	0.45	± 0.010	0.084	0.65	0.71	7,000	114.2	1.6454
STW-B 0.50MM	0.50	± 0.010	0.084	0.70	0.76	7,000	91.43	1.9981
STW-B 0.55MM	0.55	± 0.020	0.084	0.75	0.81	7,000	78.15	2.3857
STW-B 0.60MM	0.60	± 0.020	0.084	0.80	0.86	7,000	65.26	2.8082
STW-B 0.65MM	0.65	± 0.020	0.084	0.85	0.91	7,000	55.31	3.2657
STW-B 0.70MM	0.70	± 0.020	0.084	0.90	0.96	7,000	47.47	3.758
STW-B 0.75MM	0.75	± 0.020	0.084	0.95	1.01	7,000	41.19	4.2853
STW-B 0.80MM	0.80	± 0.020	0.084	1.00	1.06	7,000	36.08	4.8475
STW-B 0.85MM	0.85	± 0.020	0.084	1.05	1.11	7,000	31.87	5.4446
STW-B 0.90MM	0.90	± 0.020	0.084	1.10	1.16	7,000	28.35	6.0766
STW-B 0.95MM	0.95	± 0.020	0.084	1.15	1.21	7,000	25.38	6.7435
STW-B 1.00MM	1.00	± 0.020	0.084	1.20	1.26	7,000	23.33	7.4453