

CB-TIW Triple Insulated Wire

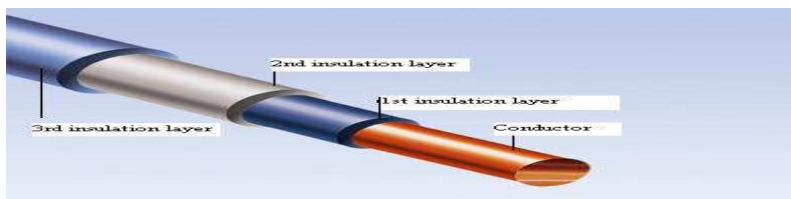
1.Scope :

Triple Insulated Wire has applications in the windings of micro-transformers commonly used in personal computers, mobile phone chargers, IT equipment and other similar devices.



2.Conductors :

Metal wire , tin plated metal wire, enameled metal wire.



3.Insulation Layers:

First layer insulation: ETFE

Second layer insulation: FEP

Third layer insulation: ETFE

4.Rated Voltage

Rated Voltage: 600V for UL certificate

1.41KV for TUV and VDE certificate

5.Rated Temperature

Rated Temperature : 130°C for UL certificate

155°C for TUV and VDE certificate

6. Benefits :

- (1). Easy winding
- (2). High breakdown voltage
- (3). High abrasion resistance
- (4). Solderable without stripping any surface layer
- (5). Triple Insulated Wire offers extra protection against pinholes

7. product recognition :

UL recognized, File No: E249037

TÜV recognized, File No:J50075930

VDE recognized, File No: 40018100

Dimensions:

Size	Conductor (mm)	Outer Diameter (mm)	Conductor Resistance

	Diameter	Tolerance	Nominal	Tolerance	20°C(Ω/km)
TIW-0.20	0.20	±0.008	0.390	MAX 0.002 MIN 0	607.6
TIW-0.22	0.22		0.410		498.4
TIW-0.23	0.23		0.420		454.5
TIW-0.25	0.25		0.440		382.5
TIW-0.30	0.30	±0.010	0.500		262.9
TIW-0.32	0.32		0.520		230.3
TIW-0.35	0.35		0.550		191.2
TIW-0.37	0.37		0.570		170.6
TIW-0.40	0.40		0.620		145.3
TIW-0.45	0.45		0.670		114.2
TIW-0.50	0.50		0.720		91.43
TIW-0.55	0.55		±0.020		0.770
TIW-0.60	0.60	0.820		65.26	
TIW-0.65	0.65	0.870		55.31	
TIW-0.70	0.70	0.900		47.47	
TIW-0.75	0.75	0.950		41.19	
TIW-0.80	0.80	1.000		36.08	
TIW-0.85	0.85	1.050		31.87	
TIW-0.90	0.90	1.100		28.35	
TIW-0.95	0.95	±0.030	1.150		25.38
TIW-1.00	1.00		1.200		23.33