

ETFE-INSULATION (TEFZEL)

1. Structure, Electric, Thermal and Mechanical Values

Copper Wire – Tin Plated

Insulation from ETFE – extruded, lightly fixed.

AWG Gauge	30	28	26	24	22
a) Conductor -diameter in mm	0.25	0.32	0.4	0.5	0.63
b) Wall Thickness in mm			0.15		
c) Outside-diameter in mm	0.56	0.63	0.71	0.81	0.94
d) Tolerances in mm	0.05 + or -				
e) Conductor-resistance per kilometer	365	227	143	89.4	56
f) Operating Voltage	max. 375V 50Hz				
g) Testing Voltage	1500V 50Hz				
h) Continuous Operating Temperature	minus 90 to plus 150 deg C				
i) Tensile Strength	30 N/mm ²				
k) Elongation of Isolation	150%				
l) Elongation of Conductor	min.15%		max. 20%		
m) Current Capacity in A at 55 degC	2.6	3.4	4.5	5.2	5.7
Ambient Temperature					
n) Colour	10 Standard Colours available				
o) Isolation	Resistance at all diameters min. 3000 Mohm x km				

2. These wire connections are suitable for self cutting and stripping tools.

3. Tested for VDE 0881

* AWG = American Wire Gauge

Limited colour variations are permissible in manufacture, so long as there is no possibility of confusion with other colours.