



INTERNATIONAL™

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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/mm2		
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		

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

2. 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.

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AIRIDUS™ Air Purification • METCAL™ Soldering & Rework Systems • TECHCON™ Fluid Dispensing
 GROUNDZERO Static Control • WIRE WRAPPING Connection Solutions