



## Structure, Electric, Thermal and Mechanical Values

Copper Wire – Tin Plated  
Insulation from ETFE – extruded, lightly fixed

### Specification Table

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 Kilometre	365	227	143	89.4	56
f) Operating Voltage	-	-	Maximum 375 V 50 Hz		-
g) Testing Voltage	-	-	1,500 V 50 Hz		-
h) Continuous Operating Temperature	-	-	Minutes 90 to plus 150°C		
i) Tensile Strength	-	-	30 N / mm <sup>2</sup>	-	-
k) Elongation of Isolation	-	-	150%	-	-
l) Elongation of Conductor	-	Minimum 15%	-	Maximum 20%	-
m) Current Capacity in A at 55°C	2.6	3.4	4.5	5.2	5.7
Ambient Temperature	-	-	-	-	-
n) Colour	-	-	10 Standard Colours Available		
o) Isolation	-	-	Resistance at all Diameters Minimum 3,000 MΩ × 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

## Part Number Table

Description	Part Number
Wire, Tefzel, 30 AWG, Black, 100 m	100-30TBK
Wire, Tefzel, 30 AWG, Red, 100 m	100-30TR
Wire, Tefzel, 30 AWG, Orange, 100 m	100-30TO
Wire, Tefzel, 30 AWG, Yellow, 100 m	100-30TY
Wire, Tefzel, 30 AWG, Green, 100 m	100-30TG
Wire, Tefzel, 30 AWG, Blue, 100 m	100-30TB
Wire, Tefzel, 30 AWG, White, 100 m	100-30TW
Wire, Tefzel, 26 AWG, Red, 100 m	100-26TR
Wire, Tefzel, 26 AWG, Green, 100 m	100-26TG

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