

## Prototyping Wire

### Wiring Pencil Wire (Non-insulated)

ROADRUNNER

Tinned Copper Wire 1/0.25 (33SWG)



- Suitable for discrete wiring, shorting links and PCB track repairs

Current rating 228mA

2 24m Spools Per Pack	Order Code	1+	5+	10+	25+
	148-735.				

### Tinned Copper Wire



- Suitable for shorting links, discrete wiring, PCB track repairs etc. Conforms to BS4109

SWG (approx.)	Reel Size	Fuse Rating	Diameter (approx)	Length (approx)	Mftrs. List No.	Order Code
35	250g	5A	0.213	785m	TCW35	301-802
25	250g	15A	0.508	138m	TCW25	301-814
24	500g	17A	0.559	230m	TCW24	301-826
22	500g	24A	0.711	140m	TCW22	301-838
21	250g	30A	0.812	54m	TCW21	301-840
20	500g	33A	0.914	86m	TCW20	301-851
18	500g	45A	1.219	48m	TCW18	301-863
16	500g	70A	1.626	27m	TCW16	301-875

250g or 500g Reels		Price Per Reel				
SWG (approx.)	Reel Size	Order Code	1+	5+	10+	25+
35	250g	.301-802				
25	250g	.301-814				
24	500g	.301-826				
22	500g	.301-838				
21	250g	.301-840				
20	500g	.301-851				
18	500g	.301-863				
16	500g	.301-875				

### Wiring Pencil Wire (Insulated)

ROAD RUNNER

1/0.15mm (38 SWG)



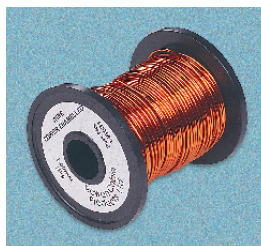
- A range of QSE (quick soldering enamel), polyurethane enamelled wire conforming to BS4520 Part 1
- The wire requires a soldering iron temperature of 400°C+ to remove the enamel. (Weller bit temperature code 8 or 9).

**Warning:** During the soldering process the polyurethane coating can produce small amounts of (T.D.I.) toluene di-isocyanate. Fume extraction may be required to ensure permitted safety levels are not exceeded, i.e. (0.02 ppm).

Insulation thickness (min.)	0.012mm (38 SWG) Grade 2.	Insulation breakdown	1500V RMS
	0.014mm (36 SWG) Grade 2.	Current rating	82mA (38 SWG)
Resistance	0.967Ω/m		131mA (36 SWG)

38 SWG (4 x 34m Spools Per Pack)		Price Per Pack	
Colour	Order Code	Colour	Order Code
Copper x 4	146-182.	Green x 4	146-183.
		Pink x 4	146-184.
36 SWG (4 x 34m Spools Per Pack)			
Violet x 4	148-731.	Pink x 4	148-734.
Copper x 4	148-732.		

## Enamelled Copper Wire



- Coated in self-fluxing polyurethane, conforming to BS4520 Grade 2 (now incorporated within BS6811 Section 1, Pt.3)
- Suitable for coil forming and prototyping wire.

Maximum continuous temperature +120°C  
Suitable soldering temperature 400-480°C

**Warning:** During the soldering process the polyurethane coating can produce small amounts of (T.D.I.) toluene di-isocyanate. Fume extraction may be required to ensure permitted safety levels are not exceeded, ie 0.02 p.p.m.

SWG (approx)	Current Rating	Diameter	Length (approx)	Order Code
35/36	48mA	0.2	1850m	146-522
34/35	61mA	0.224	1430m	146-523
33	76mA	0.25	1120m	146-524
30	120mA	0.315	720m	146-525
27	194mA	0.4	450m	146-526
25	304mA	0.5	290m	146-527
24	381mA	0.56	230m	146-528
22	613mA	0.71	140m	146-529
21	779mA	0.8	125m	146-530
19	1.21A	1.0	70m	146-531
18	1.91A	1.25	47m	146-532
16/17	2.74A	1.5	32m	146-533

500g Reels		Price Per Reel			
SWG (approx.)	Order Code	1+	5+	10+	20+
35/36	.146-522				
34/35	.146-523				
33	.146-524				
30	.146-525				
27	.146-526				
25	.146-527				
24	.146-528				
22	.146-529				
21	.146-530				
19	.146-531				
18	.146-532				
16/17	.146-533				

## Wire Wrapping Wire — Kynar and Tefzel

multicomp

1/0.25mm (30 AWG) 1/0.40mm (26 AWG)

- Copper conductors are single silver plated, Kynar insulated, or tinned, Tefzel insulated, the Tefzel being suitable for "cut, strip and wrap" wire wrapping guns.
- Manufactured in accordance with MIL-Q-9858A.

Voltage rating 300V Operating temperature -60°C to +130°C (Kynar)  
-60°C to +150°C (Tefzel)

### 1/0.25mm (30 AWG)

#### Kynar – 100m Reels

Colour	Order Code	Colour	Order Code	Colour	Order Code
Black	.143-381	Yellow	.143-384	White	.143-382
Red	.143-380	Green	.143-378	Violet	150-078
Orange	143-383	Blue	.143-379		

#### Kynar – 500m Reels

Colour	Order Code	Colour	Order Code	Colour	Order Code
Black	.143-391	Yellow	.143-390	White	.143-388
Red	.143-389	Blue	.143-386		

#### Tefzel – 100m Reels

Colour	Order Code	Colour	Order Code	Colour	Order Code
Black	.146-385	Yellow	.146-384	White	.146-382
Red	.146-383	Green	.146-381		
Orange	.146-386	Blue	.146-380		

Price Per Reel			
30 AWG	1+	5+	10+
100m Kynar			
500m Kynar			
100m Tefzel			

### 1/0.4mm (26 AWG)

#### Kynar – 100m Reels

Colour	Order Code	Colour	Order Code	Colour	Order Code
Black	150-080	Green	150-084	White	150-087
Red	150-081	Blue	150-085		

#### Tefzel – 100m Reels

Colour	Order Code	Colour	Order Code	Colour	Order Code
Black	.150-088	Green	150-092	White	.150-095
Red	.150-089	Blue	.150-093		