

# Copper Enamelled Wire

pro-POWER



## Description:

Soft Grade 2 Enamelled Copper Wire to BS EN 60317/20.

## Specifications:

Coating : Polyurethane  
Primary Insulation Material : Polyurethane  
Primary Insulation Colour : Transparent  
Max. Operating Temperature : 120°C  
Melting Temperature : 480°C  
Approval bodies : BS4520

## Specification Table:

Part Number	Current Rating (A)	Diameter (mm)	Tolerance (mm) On Conductor	Enamel Coat (mm)		Resistance $\Omega/m$ @ 20°C		
				Min. Increase in Dia.	Max. O.D.	Min.	Nom.	Max.
ECW0.2	0.048	0.2	$\pm 0.003$	0.027	0.239	0.5237	0.5441	0.5657
ECW0.224	0.061	0.224		0.029	0.266	0.4188	0.4338	0.4495
ECW0.25	0.076	0.25	$\pm 0.004$	0.032	0.297	0.3345	0.3482	0.3628
ECW0.315	0.12	0.315		0.035	0.367	0.2121	0.2193	0.227
ECW0.4	0.194	0.4	$\pm 0.005$	0.04	0.459	0.1316	0.136	0.1407
ECW0.5	0.304	0.5		0.045	0.566	0.08462	0.08706	0.08959
ECW0.56	0.381	0.56	$\pm 0.006$	0.047	0.63	0.06736	0.0694	0.07153
ECW0.71	0.613	0.71	$\pm 0.007$	0.053	0.789	0.04198	0.04318	0.04442
ECW0.80	0.779	0.8	$\pm 0.008$	0.056	0.884	0.03305	0.03401	0.035
ECW1.0	1.21	1		0.063	1.094	0.02116	0.02176	0.0224
ECW1.25	1.91	1.25	$\pm 0.013$	0.067	1.349	0.01353	0.01393	0.01435
ECW1.5	2.74	1.5	$\pm 0.015$	0.071	1.606	0.0094	0.00967	0.00995

**Part Number Table**

Description	CSA	AWG	Reel Length (m)	Part Number
Wire, Copper Enamelled, 35 SWG	0.0357mm <sup>2</sup>	32AWG	1,850	ECW0.2
Wire, Copper Enamelled, 34 SWG	0.0428mm <sup>2</sup>	31AWG	1,430	ECW0.224
Wire, Copper Enamelled, 33 SWG	0.0506mm <sup>2</sup>	30AWG	1,120	ECW0.25
Wire, Copper Enamelled, 30 SWG	0.0779mm <sup>2</sup>	28AWG	720	ECW0.315
Wire, Copper Enamelled, 27 SWG	0.136mm <sup>2</sup>	26AWG	450	ECW0.4
Wire, Copper Enamelled, 25 SWG	0.203mm <sup>2</sup>	24AWG	290	ECW0.5
Wire, Copper Enamelled, 24 SWG	0.246mm <sup>2</sup>	23AWG	230	ECW0.56
Wire, Copper Enamelled, 22 SWG	0.396mm <sup>2</sup>	21AWG	140	ECW0.71
Wire, Copper Enamelled, 21 SWG	0.515mm <sup>2</sup>	20AWG	125	ECW0.80
Wire, Copper Enamelled, 19 SWG	0.815mm <sup>2</sup>	18AWG	70	ECW1.0
Wire, Copper Enamelled, 18 SWG	1.17mm <sup>2</sup>	16AWG	47	ECW1.25
Wire, Copper Enamelled, 16 SWG	2.08mm <sup>2</sup>	15AWG	32	ECW1.5

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