

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 Ω/m @ 20°C | | |
|-------------|--------------------|---------------|-----------------------------|-----------------------|-----------|------------------------------|---------|---------|
| | | | | Min. Increase in Dia. | Max. O.D. | Min. | Nom. | Max. |
| ECW0.2 | 0.048 | 0.2 | ± 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 | ± 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 | ± 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 | ± 0.006 | 0.047 | 0.63 | 0.06736 | 0.0694 | 0.07153 |
| ECW0.71 | 0.613 | 0.71 | ± 0.007 | 0.053 | 0.789 | 0.04198 | 0.04318 | 0.04442 |
| ECW0.80 | 0.779 | 0.8 | ± 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 | ± 0.013 | 0.067 | 1.349 | 0.01353 | 0.01393 | 0.01435 |
| ECW1.5 | 2.74 | 1.5 | ± 0.015 | 0.071 | 1.606 | 0.0094 | 0.00967 | 0.00995 |

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Part Number Table

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

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