

# eFIXX Jargon-Busters

**AC:** Alternating Current

**ACOPs:** Approved Codes of Practice

**ADS:** Automatic Disconnection of Supply

**ARC:** Anti-Reflective Coating

**BS:** British Standards

**BS EN:** British Standards European Norm

**BSI:** British Standards Institution

**C and G:** City and Guilds

**C<sub>a</sub>:** Rating Factor for Ambient Temperature

**C<sub>c</sub>:** Rating Factor for Circuits Buried in the Ground

**C<sub>f</sub>:** Rating Factor for Semi-Enclosed Fuse to BS 3036

**C<sub>g</sub>:** Rating Factor for Grouping

**C<sub>i</sub>:** Rating Factor for Conductors Embedded in Thermal Insulation

**CFC's:** Chlorofluorocarbons

**CHP:** Combined Heat and Power

**CO<sub>2</sub>:** Carbon Dioxide

**COSHH:** Control of Substances Hazardous to Health

**cpc:** Circuit Protective Conductor

**DC:** Direct Current

**EAL:** Excellence, Achievement and Learning

**EAWR:** Electricity at Work Regulations

**ECA:** Electrical Contractors' Association

**ELV:** Extra Low Voltage (0-50V AC)

**ESQCR:** Electricity Safety, Quality and Continuity Regulations

**FELV:** Functional Extra-Low Voltage

**FFL:** Finished Floor Level

**HASAWA:** Health and Safety at Work Act

**HBC:** High Breaking Capacity

**HLW:** High-Level Waste

**HOFR:** Heat and Oil Resistant, Flame Retardant

**HRC:** High Rupturing Capacity

**HSE:** Health and Safety Executive

**HV:** High Voltage (33,000V AC and Above)

**I<sub>2</sub>:** Is the operating current for the fuse or circuit breaker (the current at which the fuse blows or the circuit breaker opens)

**$I_a$ :** This is the minimum current that will cause a protective device to operate

**$I_b$ :** Is the design current, the actual current to be carried by the cable

**$I_{cn}$ :** The rated short-circuit capacity (marked on the device) this is the maximum fault current the breaker can interrupt safely, although the breaker may no longer be usable

**$I_{cs}$ :** The in-service short-circuit capacity is the maximum fault current the breaker can interrupt safely without loss of performance

**IET:** Institution of Engineering and Technology

**$I_n$ :** Is the rating of the protecting fuse or circuit breaker

**IP:** International Protection Code

**$I_t$ :** Is the tabulated current for a single circuit at an ambient temperature of 30°C

**$I_z$ :** Is the current carrying capacity of the cable in the situation where it is installed

**JIB:** The Joint Industry Board

**LED:** Light Emitting Diode

**LLW:** Low-Level Waste

**LPG:** Liquefied Petroleum Gas

**LSF:** Low Smoke and Fume

**LSFH:** Low Smoke Free of Halogen

**LSOH:** Low Smoke Zero Halogen (Also LS0H and LSZH)

**LV:** Low Voltage (51-1000V AC)

**mA:** Milliamps

**MD:** Maximum Demand

**MET:** Main Earth Terminal

**MFT:** Multifunction tester

**MICC:** Mineral-Insulated Copper-Clad Cable

**ms:** Milliseconds

**NAPIT:** National Association of Professional Inspector and Testers

**NICEIC:** National Inspection Council for Electrical Installation Contracting

**OCPD:** Overcurrent Protective Device

**PAT:** Portable Appliance Testing

**PEFC:** Prospective Earth Fault Current

**PEN:** Protective Earth and Neutral Conductor (Combined)

**PFC:** Power Factor Correction

**PILC:** Paper Insulated Lead Covered

**PLEV:** Protected Extra-Low Voltage

**PME:** Protective Multiple Earthing

**PSCC:** Prospective Short Circuit Current

**PUWER:** The provision and use of Work Equipment Regulations

**PV:** Photovoltaic

**PVC:** Polyvinyl Chloride

**QS:** Quantity Surveyor

**R<sub>1</sub>:** Resistance of a Line Conductor of a Distribution or Final Circuit

**R<sub>2</sub>:** Resistance of a Circuit Protective Conductor (cpc) of a Distribution or Final Circuit

**RCBO:** Residual Current Circuit Breaker with Integral Overcurrent Protection

**RCCB:** Residual Current Circuit Breaker without Integral Overcurrent Protection

**RCD:** Residual Current Device

**REC:** Regional Electricity Company

**rms:** Root Mean Square

**RIDDOR:** Reporting of Injuries Diseases and Dangerous Occurrences Regulations

**SELV:** Separated Extra-Low Voltage

**SO<sub>2</sub>:** Sulphur Dioxide

**SPD:** Surge Protective Device

**SWA:** Steel Wire Armour

**TN-C:** Terre Neutral Combined

**TN-C-S:** Terre Neutral Combined Separate

**TN-S:** Terre Neutral Separate

**TPI:** Teeth per Inch (Found on Hacksaw Blades)

**TT:** Terre Terre

**U<sub>o</sub>:** Nominal AC rms Line Voltage to Earth

**VIR:** Vulcanised India Rubber (VIR)

**XLPE:** Cross-Linked Polyethylene

**Z<sub>e</sub>:** Earth Fault Loop Impedance Which is External to the Installation

**Z<sub>s</sub>:** Earth Fault Loop Impedance