

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_a: Rating Factor for Ambient Temperature

C_c: Rating Factor for Circuits Buried in the Ground

C_f: Rating Factor for Semi-Enclosed Fuse to BS 3036

C_g: Rating Factor for Grouping

C_i: Rating Factor for Conductors Embedded in Thermal Insulation

CFC's: Chlorofluorocarbons

CHP: Combined Heat and Power

CO₂: 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)

I₂: 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

R₁: Resistance of a Line Conductor of a Distribution or Final Circuit

R₂: 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

SO₂: 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_o: Nominal AC rms Line Voltage to Earth

VIR: Vulcanised India Rubber (VIR)

XLPE: Cross-Linked Polyethylene

Z_e: Earth Fault Loop Impedance Which is External to the Installation

Z_s: Earth Fault Loop Impedance