

**ELECTRICIAN
TECHNICAL LITERACY LIST**

**3000 WORDS, TECHNICAL TERMS,
SYMBOLS, AND ABBREVIATIONS**

**1000 WORD APPRENTICE ELECTRICIAN LIST
2000 WORD JOURNEYMAN ELECTRICIAN LIST
3000 WORD MASTER ELECTRICIAN LIST**

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Electrician Technical Literacy List

This workbook is a copy of the words which are included in the Apprentice, Journeyman, and Master Electrician Technical Literacy Lists. Everyone wants to understand the world we live in. Language is the key to understanding. Therefore to be the best electrician possible requires a great vocabulary. This vocabulary is how we process information. We read: words. We listen to instructions: words. We give instructions: words. Without a clear understanding of the words we read, hear or speak, then communication isn't accurate.

In any technical occupation there exists a specialized vocabulary. So too for electricians. This is a suggested minimum list of words, terms, abbreviations, symbols, phrases, material identification, and what-ever-else seems important to an electrical apprentice, electrical journeyman, and master electrician.

Note that if you have words which you feel should be on this literacy list, then please send on an email to me so that they can be added where appropriate. This Electrician Technical Literacy list is a work in process. Help me make it better. For over twenty-five years I have used something similar in all the classes which I have taught.

But this work-up for the Electricianeducation.com site is the best I have ever managed. I hope you like the concept of improving your vocabulary.

What you get are three lists of 1000 words each. If you are an electrical apprentice, you should know or be working on mastering definitions of the first 1000 words, terms, symbols, and abbreviations. If you are a Journeyman, you should already know the apprentice list of 1000 and be working on the Journeyman 1000. Then lastly, the Master Electrician should know or be working on learning definitions for the apprentice list, the journeyman list, and the remaining 1000 Master Electrician words.

Definitions are not provided. That is your job as a student, after all. That's how you will learn these technical terms. You will need to consult the National Electrical Code, dictionaries, and fellow electricians who are more experienced than you to obtain these definitions.

So here's a way to use this list. Read through each work beginning with the Apprentice list. Circle any word you do not know, or are unsure of. When you have finished reading a full page, then go to a dictionary, a theory book, the NEC, or ask fellow electricians. The internet is a great place to find definitions of technical terms, too. Write out each definition you do not know. Save these pages to study with. Make flash cards of any definitions that seem difficult to you. When you have mastered a page, go on to the next.

Have fun as you pump those brain neurons. Cheers:>)

David U. Larson

All Technical Literacy Terms - Apprentice Electrician List

A

abandoned, a. (abbreviation), AC, AC condenser, AC voltage detector, accessible, acid, acid core solder, adapter, addition, additive, adjacent side, adjustable open-end wrench, air handler, airway clear (safety), algebra substitution, alive (slang), Allen screw head, Allen wrench (tool), alloy, alternating current, aluminum, aluminum conductor, American Wire Gauge, ammeter - post type, ammeter - clamp-on type, amp, ampacity, ampacity correction, amperage, ampere, anchor, angle (math), angle connector 45 degree, angle connector 90 degree, angular material, annex (NEC), appendix, appliance, apprentice electrician, approved, area (math), area total, area unused, area unused %, area used, area used %, area useful, area useful %, armored cable, arrow on bender, assignment sheet, atom, atomic number, automatic, AWG, awl (tool)



B

Back fed device, back fill, back stab (slang), back to back bend (conduit), back stab device (slang), back wired, bakelite, bare (conductor), bathroom (NEC), battery, binding screw, birds, black conductor, black conductor, blank plate, blown fuse (slang), blown out (slang), blue collar, bond wire, bonded, bonding jumper, bonding screw, boring, bottom trim (slang), box clamp, box cover, box ears, box end wrench, box extension, boxing (slang), box offset, box screw 8-32, box supports, box work (slang), bracketed box, branch circuit, branch circuit Vd, branch panel voltage Ebp, brass, braze, breaker, breathing (CPR), brown load (shot), Buchanan crimp (slang), bug (slang), building, building wire, bundling conductors, burned out (slang), burrs, BX cable (slang).



C

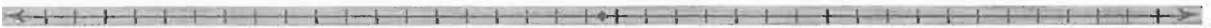
C conduit fitting, cabinet, cable clamps, cable connector, cable cutters, cable sheath ripper, cable standoff, cable staples, calculations exam, calculator, canopy, capacitance, capacitor, carbon tetra chloride, cardiopulmonary resuscitation (safety), carflex (slang), CBS construction, CCW, ceiling fan support box, ceiling height, cell header, cement/concrete, center line, centigrade C, centimeter (math), channel locks (slang), charge (electric), chase nipple, chest heart beat (CPR), Chicago 90 degree bend (slang), chime, chime transformer, chipping hammer, cinder, circle (shape), circuit breaker, circuit tester, circular mil, circular saw (tool), circumference of a circle, clamp, clamp inside box, clamp-on amp meter, clock outlet, clock-wise, close nipple, closed (connection), closed book exam, closed circuit, closed switch, cm circular mil, CO~~A~~LR, coax, coaxial cable, color-to-color, combination screw head, combination plate,

combustible material, commercial building, common (slang), common terminal, complete circuit, component, compound (chemistry), compression connector, compression coupling, concealed, concrete, concrete block and steel construction, condensation, conductivity, conductor, conduit, conduit bender, conduit body, conduit bushing, conduit fitting, conduit nipple, connected, connection, connector, continuity, continuity tester, continuous load, continuous duty, convenience receptacle, conversion factor, cooking unit, copper, copper clad, copper conductor, cord cap, core bit, correction factor, corroded, corrosion resistant, coulomb, counter clock-wise, countersink, coupling, cover (NEC), cover (wire), covered conductor, CPR (safety), CRC (slang), creosote, crimp sleeve, crosscondulet fitting, cross multiplication, cross-section, cross thread, crow bar, crowfeet, cubic foot (measurement), cubic inch (measurement), current, current carrying conductor, current flow, curved claw hammer (tool), cut-in box, cut-in work (slang), cut nail, cutout box, CW.



D

Damp location, dead (slang), dead front, dead short (slang), dead wired (slang), deburring, decimal number, dedicated circuit, degradation, degree (math), deleterious, delta breaker, demand factor, denominator, derate, derating factor, desoldering tool, device, device screw 6-32, device strap, device tab, diagonal, diagonal cutting pliers (tool), diameter of a circle, die (machine tool), dikes (slang), dimmer (lighting), direct current, direct pressure (first aid), directly proportional, discharge capacitor, disconnecting means, disconnecting switch, disconnect, dissimilar metals, distilled water, division, dogleg (conduit), domed cover, door bell button, double duplex receptacle, double nut, double pole switch, double pole breaker, down pipe (slang), dps, drill bit for 8-32, drill bit for 6-32, drill bit for 10-31, drill index (tool), drill out work (slang), drip loop, drive pin, dry cell, dry location, duct tape, duplex, duplex cable, duplex dwelling, duplex receptacle, dust mask, dwelling unit.



E

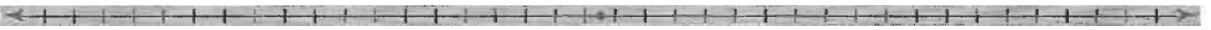
E symbol (voltage), ear protection (safety), Edison base, Edison base fuse, Edison base lamp, efficiency, egress, 8-32, elbow (fitting), electrical current, electric shock, electricity, electrical theory, electrical counter technician, electrical nonmetallic tubing, electrical pressure, electrical master, electrical contractor, electrical supplier, electrical nonmetallic conduit, electrical warehouse, electrical distributor, electrical metallic tubing, electrical tape, electrical estimator, electrical draftsman, electrical apprentice, electrical engineer, electrical salesman, electrical journeyman, electrical pressure, electrify (slang), electrocution, electro-static, electrolite, electromotive force, electron, electron flow, element, element (load), emf, EMF, encircle, enclosed, enclosure, end receptacle (slang), energized, energy, ENMT, entrance cap, equal, equation, equipment grounding conductor, equipment, eriksen union (slang), exception (NEC), existing installation,

expansion fitting, expansion joint, expansion anchor, expansion union, exponent (math), exponential progression (slang), extended neck hammer (tool), extension ring, extension cord, eyelet (fish tape), eye protection, eye-ball (slang), eye-ball trim.



F

Face plate, factor (math), factory 45 bend, factory 90 bend, Fahrenheit, feed (slang), feed through box, feed through receptacle, female fitting, female terminal adapter, fender washer, ferric, ferrous, field (magnetic), filament, file (tool), fine print note, finger tight, fire extinguisher Type A, fire extinguisher type B, fire extinguisher type C, fire extinguisher type ABC, fire spread, fire stop, first aid kit, fish (slang), fish tape (tool), fitting, fixture, fixture bar, fixture bar screw 8-32, fixture chain, fixture hickey, fixture screw, fixture stud, fixture stud extension, fixture wire, flammable, flat head screw, flat mud ring, flat surface, flat washer, flc, flex (slang), flexible metallic conduit, floor lamp, floor receptacle, floor truss, flush, flush device, flush mount panel, flush mount, FMC, foot (measure), formula (math), foundation, four 11/16 square box, four 11/16 square extension ring, four square box, four square box extension, four-way switch, FPN (NEC), fraction, fractional drill bit, fractional number, framing member, free conductor, free electrons, friction tape, FTA, furring strips, fuse, fuse extractor, fuse puller.



G

Galvanic action, galvanometer, gang, gang box, gangable box, garage, gasket, gem box (slang), general purpose branch circuit, generator, GFCI, GFCI receptacle, given information (math), glass, gloves (safety), goggles (safety), gooseneck 90 bend, gooseneck (slang), graphite, gravity, green conductor, green load (shot), green with yellow stripes, Greenfield (slang), greenie wire nut (slang), grommet, gross amount, ground, ground bar, ground fault circuit interrupter, ground fault protection, ground rod (slang), ground screw 10-32, ground screw tap, grounded, grounded conductor, grounded receptacle, grounding adapter, grounding conductor, grounding electrode, grounding bushing, grounding locknut, grounding electrode conductor, gutter, guy wire.



H

Habitable, hack saw, half switched receptacle, hand tool, handle tie, handy box (slang), hanger bar, hard hat (safety()), heat gun, heat stroke (safety), heating element, hex head screw, hexagonal (shape), hexagonal configuration, hickey, hickey bender, high top boots (safety), high trim (slang), holding screw driver, hole saw, home run system (slang), horizontal, horsepower, hot (slang), hot box, hot check (slang), hot conductor (slang), hot wire (slang), house wiring, HP (symbol), hub, hung up (slang), hurricane clip, hydrogen

gas.



I

I current (symbol), ignitable, IMC, impact hammer, inch (measure), index (NEC), individual branch circuit, industrial cover (slang), infinite resistance, information sheet, input, insect repellent (safety), inside 90 degrees (bend), inside workman, inspection, installation, insulated conductor, insulated staple, insulated handles (safety), insulated throat, insulated shaft, insulating handles, insulated, insulating bushing, insulation, insulator, intent, internal diameter, (inside), inverse of the sum of the reciprocals (math), inverse (math), inverse ratio (math), inversely proportional, iron, isolated raceway, isolator.



J K

Jaw, jet line (slang), jet line string (slang), joint (wire), journeyman electrician, jumper (slang), junction, junction box.

k (constant), Kcmil, key word index, keyhole saw, keyless, keyless lampholder, kick bend, kick plate (slang), kilo, kilowatt, Kirchoff's First Law, Kirchoff's Second Law, kien's (slang), knockout, knockout punch, kVA, kW.



L

L (length), Lamp, lamp filament, lamp screw shell, lamp socket, lampholder, Larson Loop, laundry area, LB conduit fitting, lead, lead anchor, left bracket (calculator), letter drill bit, level, level (tool), lighted button, lighted toggle, lighting outlet, line current, line voltage, linoleum, liquidtight flexible nonmetallic conduit, liquidtight flexible metallic conduit, live (slang), LL conduit fitting, load, load stone, lock washer, locknut, looped receptacles, loop wiring, loose connection, LR conduit fitting, LTFMC, LTFNMC, LTFNMC type A, LTFNMC type B, lug.



M

Machine nut, machine screw, Madison clip (slang), magnet, magnetic attraction, magnetic field, magnetic repulsion, magnetism, main, main breaker, main disconnect, major fraction (.5 or more), male adapter, male cap, male fitting, male terminal adapter, malleable metal, manual. masonry bit, mast, MCM, messenger supported, messenger wire, metallic, metallic box, meter (instrument), meter (length), meter base,

meter socket, metric system, mho, MI cable, mica, mil, mils, mile (measure), mili, milli amp, milli volt, minerlac clamp (slang), mixed number (math), mixture (chemistry), molecule, mouse (slang), mud ring, mud ring depth, multi-family dwelling unit, multi-wire branch circuit, multiplication.



N

Nail, nail apron, nail-on box, nameplate, National Electrical Code, National Fire Protection Association, natural gray, NEC, NEC appendix, NEC article number, NEC chapter, NEC exception, NEC fine print note, NEC footnote, NEC index, NEC section, NEC subtitles, NEC table of contents, needle nose pliers, negative charge, negative terminal, neon, neon voltage tester, net amount (math), neutral, neutral bar (slang), neutral conductor, neutron, 1900 box, nipple (raceway), nipple fill, nippers (tool), NM cable, NM conduit (slang), non-conducting shoes (safety), nonconductor, non current carrying, nonferrous, nonmetallic sheathed, nonmetallic, nonmetallic box, north pole of a magnet, NT clamp, number drill bit (tool), numerator, nut driver, nylon string.



O

Octagon (shape), octagon box screw, octagon box, octagon box screw, offset bender, offset bend, offset nipple, offset screw driver, ohm, ohm meter, Ohm's Law, old work box (slang), omega. one ampere, one coulomb, one cubic inch, one gang box, one horse power, one mil, one ohm, one piece connector, one square inch, one square foot, one square mil, one volt, one watt, open, open book exam, open circuit, open end wrench, open fuse, open switch, open trim, opposite side, orange conductor, orbit (physics), orbital shell (physics), outlet, outlet box, output divided by input, overlap tape, oxidation, oxidation inhibitor, oxidize.



P Q

P power (symbol), paddle drill bit, pan head screw, panel, panel blank, panel flush cover, panel schedule, panel surface cover, parallel circuit, pencil-off insulation, penetrox (slang), percentage, phase tape, Phillips head screw, Phillips screw driver (tool), pi 3.14 (math), picture outlet, pigtail (slang), pigtail side wired receptacle (slang), pin (lamp), pin driver, pins (shotgun), pipe ground clamp, planetary electrons (physics), plastic anchor, plumb, plumb bob, pompano 90 bend, pool, porcelain, portable appliance, positive terminal, positive charge, pound (measure), power, power outlet, power strip, prefabricated, prefix, press fit, pressure connector, product (math), product sum for R_t in parallel (math), propane torch (tool), proton (physics), pull away from the measurement (bend), pull to the measurement (bend), pull box, pull chain lamp holder,

pulley, pulling basket, push dimmer, PVC, PVC schedule 40, PVC schedule 80, PVC type A, PVC cement, PVC cutters (tool), PVC type EB, PVC glue, Pythagorean Theorem.

Quadruplex, quadruplex cable, quadruplex dwelling unit, quarter twenty 1/4-20 thread, quick wired receptacle (slang).



R

R resistance (symbol), rabbit (slang), raceway, radius of a circle, rainproof, raintight, raised cover, range (appliance), ratchet socket set (tool), rat patching (slang), rat run (slang), rat tail file (tool), ratio, ratio (transformer), rattle snake (slang), razor knife (tool), readily accessible, reamer, reaming, receptacle tester, receptacle tab, receptacle outlet, receptacle, receptacle tester, recessed, recessed can type TP, recessed can type IC, recessed can, reciprocal, reciprocating saw (tool), recommended (NEC), rectangle (shape), red load (shoot), redrawing series-parallel circuits, reducing a circuit, reducing washer, repeated addition (math), repeated subtraction (math), required (NEC), resistance, resistive load, resistivity, respirator (safety), reverse polarity, reversible motor, rheostat, right angle, right angle screw driver, right angle drill, right bracket (calculator), right triangle (math), rigid metal conduit, rivet, RMC, RNMC, romex (slang), roof flange, roof flashing, roof pitch, roof truss, rope (slang), rosin core solder, rotary dimmer, rough-in work (slang), round head screw, round-to-round mud ring, rubber, rubber gloves (safety), rubber tape, rule-of-thumb.



S

S1, S3, S4, saddle bend, safety chain, safety glasses (safety), safety goggles (safety), safety shoes (safety), same side (math), saw blade, schedule 40 PVC, schedule 80 PVC, scotch fill (slang), scratcher (tool), screw, screw shell, screw-in insulator, scrulox screw driver, sealtite (slang), search term index (NEC), SE cable, SE service entrance cable, self grounding receptacle, self tapping screw, self-feed drill bit, semiconductor (physics), separator (wire), series circuit, service, service calculation, service lateral, service mast, set screw connector, set screw coupling, shall (NEC), sharply angular, sheet metal screw, shepard's crook (bend), shock (safety), shock hazard (slang), short (slang), short blown open, short circuit (slang), short radius bend, short radius bender (tool), shot (power), should (NEC), shower trim (slang), SI unit (math), side cutting pliers, side wired, silver screw, simultaneous, single family dwelling, single pole switch, single pole breaker, single phase, single receptacle, 6-32, slab, slab work (slang), SLB conduit fitting, sledge hammer (tool), sleeve, sleeve conductors, slip hazard (safety), slotted screw head, small animals, small appliance branch circuit, small appliance, smoke test (slang), smurf (slang), snake (slang), soap (slang), socket wrench set, solder, soldering gun, soldering iron, solderless pressure connector, solid conductor, solution (math), solvent, source, source of power, south pole of a magnet, sparks, sparky (slang), speed control (motor),

speed of light, splice, split bolt separator, split bolt connector, split switched receptacle (slang), split wired receptacle, sps, square (math), square (shape), square foot (math), square inch (measurement), square mil, square mile, square root (math), square root of 3, square yard (measurement), square-to-round mud ring, stainless steel, standard calculation (service), standard maximum, staple, staple gun, staple on edge, star on bender, static charge, static electricity, static line (safety), steel, steel fitting, steel toe boots (safety), stick on conduit (slang), STO key (calculator), storage space, story problem, stove bolt 10-24, straight claw hammer (tool), straight connector, straight splice, stranded conductor, strap, stripped threads, strippers, structural ceiling, structural component, stubby screw driver, stud (wood), stud bushing, stud guard, stud punch, sub-floor, substantially white, substitution algebra, substitution equation, subtraction, suffix, supply side, surface metal raceway, surface mount, surface nonmetallic raceway, suspended ceiling, sweep ell, switch, switch box (slang), switch height, switch leg, switched receptacle, symbol (math).



T

T conduit fitting, T splice, table of contents, tail (slang), tap (machine), tapcon screw (slang), tape, tape measure (tool), tek screw (slang), temperature conversion, temporary wiring, temporary service, 10-32, terminal, terminal bar, terminal strip, terminal screw, termination, thermometer, thermostat, thinwall conduit (slang), thirty-two tooth blade (toll), threadless, threads, three and four way rules, three piece coupling, three way switch, three wire cord, tie wire, tie wraps, time-card, timer, tin, finned conductor, toggle bolt, toggle switch, ton (weight), tool belt, tool pouch, torch ignition, torque, torx screw driver, tourniquet (safety), toxic, toxin, tps, tracer braid, trade size, transformer, travelers, trench, trencher, trenching shovel (tool), tri-tap tool, triangle (shape), trim work (slang), trimmed, trip hazard (safety), triple tap tool, triplex, triplex cable, triplex dwelling, triplex receptacle, truss (floor), truss (roof), twenty-four tooth blade (tool), twist drill, two gang box, two piece coupling, two piece connector, two wire receptacle, type TW, type THHN, type THWN, type THW, typeTHHW.



U

Unbroken circuit, ungrounded receptacle, ungrounded conductor, uninsulated, unit of measurement, unknown value (math), utility knife (tool), UV protection (safety), UV rating.



V

v. (abbreviation), vacuum (tool), Vd symbol, Vd voltage drop, valence electron (physics), vapor proof trim, vertical, vicinity, volt, volt meter, voltage, voltage to ground, volume

(capacity).



W

watt, w. (abbreviation), wall mounted oven, water, waterproof, watertight, wattage, watt meter, Watts Law, WD-40 (slang), weathered, weatherproof, weld, wet location, white, white collar work, white conductor, white load (shoot), whole number, Wiggy (tool), will call (slang), wire bender, wire brush, wire cutter, wire gauge, wire lubrication, wire nut (slang), wire strippers, wire type letter, Wiremold (slang), wood frame building, wood screw, word problem, work done (symbol), working clearance, working space, worksheet, WP, wrap strap (slang), wrench tight, wrist protection (safety).



X Y Z

X conduit fitting

Yard (length), **Y**ellow load (shot), **Y**oke (device).

Zigzag, **Z**ip cord (slang).



All Technical Literacy - Journeyman Electricians

A

A conduit, A leg, A type lamp, abandoned outlet, absolute maximum, AC cable cutter (tool), AC hum, acorn ground clamp, AC waveform, accessible attic, accessible equipment, acorn ground clamp, add-a-depth ring, adjacent conductor, admedium lamp, aerial cable, AHJ, AIC, air terminal, algebraic progression, alternator, aluminum clad cable, ambient, ambient temperature, ambient temperature correction factor, ampacity correction, amplitude, Amprobe (slang) angle connector, angle pull, angular motion, ANSI, anti-short bushing, anti-rotation lug, apparatus, appliance branch circuit, arc, arc chutes, arcing parts, area total (math), area unused %, area unused, area used, area used %, area useful, area useful %, armature, armored cable, askarel, attached garage, attachment plug, authority having jurisdiction, automatic, autotransformer, auxiliary, auxiliary contacts, auxiliary gutter, average value voltage.



B

B leg, back wire, back-to-back service, backed, Bakelite, baking soda (safety), balanced load, ballast, bare conductor ampacity, barrier, battery, battery charger, beam clamp, bearing press, bell box (slang), belt, belt dressing, bid, bimetallic strip, binding screw, black box maintenance (slang), blown out (slang), bolt-ion breaker, bond, bond to cold water line, bonding, bonding bushing, bonding jumper, bonding locknut, boots (meter), box crimper (tool), boxless device, brace for service, branch circuit protection, branch circuit voltage drop, branch panel, branch panel voltage, brass, brushes (motor), BTU, bubble cover (slang), building, building component, building system, bulb snatcher (slang), bundled conductors, bus, bus bar, bus bar ampacity (copper), bus bar ampacity (aluminum), bus bar-copper, bus bar-aluminum, busway, butt splice, buzzer, BX (slang), bypass isolation switch.



C

C conduit, C leg, cable connector, cable reel, cablebus, candelabra lamp base, capacitive load, capacitor shunt (safety), capacitor, capacitor checker, captive screw, carbon, carbonizable, carbonize, carbonized, cartridge fuse, CATV, caution tag, ceiling fan box, ceiling height, chandelier, circuit bonding jumper, circuit breaker, clamp back fitting, clamp-on meter, clear (lamp), clearance hole, closed contacts, closer plate, CO₂, coated conductor, coax connector, coax splice barrel, coax splitter, coil, coil voltage, coincident load, cold bend (fish tape), color code, column, combination device, combination knockout, combination load, combination circuit, combination motor starter, commercial, commercial cooking load, commercial building, common neutral, common terminal, common trip (internal), common terminal (external), compact fluorescent, compression fitting, compression rings, concealed knob and tube, concentric knockout, concrete column, concrete encased, concrete tight, condenser, conductor in free air, conductor type letter, conductor temperature rating, conduit, conduit fill, cone bit (tool), connected load, constant (math), construction site, consumption, contactor, contacts, contiguous, continuous duty, continuous load, control drawing, control transformer, control voltage, controlled vented power fuse, controller, convenience outlet, conventional, cooked (slang), copper clad aluminum, copper heat (slang), copper loss, copper-clad, cord cap, cord pinch point, core bit (tool), correction factor, corrosion-resistant, corrosive residues, cotter pin, covered conductor, crimp, crimp sleeve, crimping pliers (tool), CT, CT can, CT's, CTL circuit limiting, cubic inch (measure), cuprous oxide, current carrying part, cut-in-pressure, cut-out pressure, cutout switch, cutting thread fluid, cycles-per-second.



D

Damp location, dc wave form, dead blow hammer (tool), dead end three-way (slang), deck work (slang), deck box, decorative lighting, dedicated circuit, dedicated space,

deenergized, deflection, demand factor, designated person, despard device, detached garage, device box, device strap, device yoke, dielectric, dielectric strength, direct access, direct bearing set screw, discharge capacitor, dissimilar metals, distilled water, double nut, donuts (slang), double lock nut, double pole single throw, double pole double throw, double pole switch, double tap, down light, downed, DPDT, DPST, drill press, drip loop, dry cell, dry location, drywall (slang), dual element fuse, dual rated conductor insulation, dual voltage, duct, duplex receptacle, dust, dust-ignition proof, dustproof, dusttight.



E

E conduit, earth, earth return, ebonite, eccentric knockout, effective value voltage, effectively grounded, efficiency, efficiency of a circuit, egress, electric discharge lighting, electric sign, electrical protection, electrical pressure, electrical consumption, electrical measurement, electrically connected, electrician knife (tool), electro-mechanical equipment, electrochemistry, electrolyte, electro luminescence, electrostatic, element (load), embedded, emergency egress light, enamel coating, enclosure, energized parts, envelope tray (splice), environment, equality, equidistant, equipment bonding jumper, equipment grounding conductor, equipment, equipotential plane, excavation, exercise breaker, exercise switch, exhaust fan, existing, existing installation, exit, explosion proof apparatus, explosive, exponential progression, exposed live part, exposed wiring, exposed wiring method, extended service, extension ring, extension, external diameter (conduit), external diameter (outside), external grounding, external grounding conductor, externally operable, extra hard usage cord.



F

F coax connector, F coax coupling, farad, Fahrenheit, fault, fault current, FDS box, FDSS box, feeder, feeder assembly, feeder demand, female cap, ferric oxide, ferrous, festoon lighting, field windings, fill correction factor, finished grade, fire alarm circuit, fire stop, fishing box (slang), five threads engaged, fixed apparatus, fixed appliance, fixed electric space heating, fixed equipment, fixture bar, fixture nipple, fixture rod, fixture whip, flat cable assembly, flame retardant, flc, floating building, flood (lamp), floor box, floor flange, floor receptacle, flow switch, fluorescent lamp, fluorescent lamp guard, fluorescent strip light, flush lighting fixture, flush mounted, flux, flying splice (slang), FNC, FMC coupling, FMC connector, FMC-aluminum, FMC-steel, FMT, foot pounds, forming shell, four speed control, four way switch, fracture (metal), free air splice, frequency, fried (slang), FS box, FSE box, FSS box, full load current, full turn, fungus resistant, fuse alloy, fuse cap, fuse clip, fuse extractor, fuse holder, fuse puller, fuse reducer, fuseightener, fuse window, fusible disconnect.



G

G coax connector, galvanized, gang lock (safety), gangable box, gangable device plate, gangable device box, gasket, general information directory (UL), general use snap switch, general-use switch, generator input HP, generator, geometric progression, GFCI breaker, GFCI circuit, GFCI receptacle, goof ring (slang), gooseneck inside 90 degrees (slang), gooseneck 90 degree (bend), grade level, green book (UL), gray area (NEC), gray book (UL), grommet, gross amount (math), gross computed load, ground beam, ground fault protection, ground floor, ground floor slab, ground loop, ground plate, ground return, ground return path, grounded service, grounding electrode conductor, grounded transformer, grounding electrode, grounding locknut, ground terminal, grouped, guarded, guards, guts (slang), guts trim screw (slang), gutta percha, gutter, gutter cover, gutter fill, gutter space, gutter splice, gutter tap, guy for service mast, guy wire.



H

HACR, HACR rated circuit breaker, half return, hand hold, handle tie, handy box (slang), hard usage cord, heat gain, heat gun (tool), heat lamp, heat loss, heat pump, heat strip, heaters (slang), heating element, heavy wall conduit, henries, hermetic-refrigerant motor-compressor, hertz, high leg, high output fluorescent, high resistance connection, high resistance, high speed drill bit (tool), high voltage, hoist, hoist way, honing stone (tool), horizontal axis (math), horizontal clearance, horsepower, hot box (tool), hot check (slang), hot leg (slang), hot resistance, hot tub, hot wired (slang), house main, house meter, house panel, HP, hub, humidistat, humidity, hydraulic knockout punch (tool), hydrogen gas (safety), hydro massage bath, hypotenuse (math), HZ.



I

I beam, I²R loss, IC, IC rated recessed can, identified conductor, identified, identified terminal, igniter, illumination, IMC, immersion, immersion heating, impedance, in sight from, in-service, in-use cover, incandescent lamp, inch pound, incomplete circuit, inductivity, increment, indirect lighting, individual branch circuit, induced current, inductance, induction, induction heating, inductive load, inductor, infinite speed control, inherent, inhibitor, inline fuse, inside frosted lamp, instantaneous, instantaneous value voltage, insulating bushing, insulating paint, intensity (volts), interchangeable device, interconnected, intermediate metal conduit, intermediate lamp base, intermittent duty, intermittent connection, intermittent operation, internal common trip, internal diameter (conduit), interpolation (math), interrupter switch, interrupting rating, in-use weatherproof cover, inventory, inverse time breaker, inversely proportional, island counter, isolated, isolated ground receptacle, isolating switch.



J K

J conduit, jack chain, jet line tool (slang), jib crane, Johnsonite (slang), journeyman electrician.

k (constant math), keyed switch, kilowatt, kilowatt hour, kilowatt hour meter, knife blade, knife fuse (slang), knife switch, knurled, kWh.



L

L length, label panel directory, labeled, Larson loop (slang), lateral, laundry load, lay-in fixture, leader (fish tape), layout left bracket (calculator), left hand thread, leg (slang), lighted button, lighted toggle, lighting and appliance panelboard, lighting outlet, lightning arrester, lightning rod, lightning conductor, limited smoke, limit switch, line, line loss, line side, line-of-sight, linear increase, linear progression (math), lineman, link spreader, listed, listing mark (UL), live parts, load, load current, load side, load voltage, locked rotor current, lock nut, lock washer, loop in pull box, loop wiring, loophole (slang), low voltage transformer, low voltage.



M

Machine screw, made circuit, made contacts, made electrode, magnetic attraction, magnetic field, magnetolectricity, main bonding jumper, main circuit breaker, main feeder (slang), major fraction (math), male cap, male terminal adapter, manhole, manual by-pass meter base, manual by-pass meter, manual override, manual reset, marker tape, masonry wall, maximum allowable load current, maximum value voltage, MC cable, mechanically connected, mechanical protection, medium base lamp, medium voltage, mercury (safety), mercury switch, mercury vapor lamp, messenger wire, metal clad cable, metal stud construction, metal wireway, metal tie wire, metallic raceway, meter blank, meter disk, meter seal, meter socket enclosure, Meyers hub (slang), Miami 90 degrees (slang), modern electron theory, mogul base lamp base, molten metal (safety), monitor, motion detector, motor bearings, motor branch circuit, motor disconnect, motor feeder, motor output HP, motor overloads, motor starter switch, motor starter coil, motor circuit switch, MTA, mud ring, multi--family dwelling, multi-outlet assembly, multi-wire branch circuit, multi-conductor cable.



N

Nameplate, NFPA, National Fire Protection Association, negative rotation, negative temperature coefficient, negative to positive, NEMA, NEMA enclosure, neon (lamp), net

amount (math), net computed load, nipple, NM type A cable, NM type B cable, NM type C cable, nominal, NON (fuse), non-automatic, non-coincident load, non-ferric, non-ferrous, non-grounding type receptacle, non-reversing, noncontinuous load, nonfuseable disconnect, noninterchangeability, nonmetallic underground conduit, nonmetallic surface extension, nonmetallic wireway, normally closed contacts, normally open contacts, normal maximum, NT clamp.



O

Obelisk, occupancy sensor, offset bender, ohms/cm ft, one circular mil, one family dwelling, one foot pound, one inch pound, one pole breaker, one shot bender, open circuit, open conductors, open ground, open lamp incandescent fixture, open neutral, open tube fluorescent fixture, open wiring, open work, optional calculation (service), orange book (UL), orange conductor, Orangeburg (slang), out-of-sight, outlet box, outline lighting, outside the building, overcurrent device, overcurrent protection, overcurrent, overhead conductor, overload, overload - transient, overload - continuous, overload contacts, overload relay, overloads (motor), overload protection, oxidation inhibitor, oxide, ozone.



P Q

Pad-mounted, pancake box (slang), panel guts (slang), panel interior, panel schedule, panel board, par flood (lamp), paraffin wax, parallel circuit, parallel connection, paralleled conductors, paralleled raceways, paralleled conductors, path of least resistance, PCB, peak, peak-to-peak, pendant fixture, periodic duty, permanently installed pool, phantom reading, phantom voltage, phase angle, phase tape (slang), phosphorescence, photo cell, photo electric eye, photoconduction, photoemission, photon, photovoltaic effect, piezoelectricity, pilot toggle, pipe cutter, pipe die, pipe ground clamp, pipe reamer, pipe tap, pipe vise, pitch pot, plastic tie wrap, plenum, plug fuse, plugging (motor), pneumatic, point of entrance, potentiometer, polarity, polarization, polarization of connections, polarized receptacle, poles in motor/generator, poly pipe (slang), Pompano 90 degrees (slang), pony switch (slang), pool light transformer, positive rotation, positive temperature coefficient, potential difference, potting compound, poured concrete, power factor correction, power factor, power outlet, power puller, pragmatic, premises wiring, press fit, pressure connector, prewired assemblies, primary, primary conductor, primary winding, propane torch, proportionality, pry out, psi, pull box, pull box depth, pull string, pull chain switch, pulley, pulling basket, pulling elbow, pulling motor, pulling winch, push button, push penny (slang), PVC junction box.

Qualified person, quarter turn, quartz (lamp), quench, quenching fluid.



R

Radiant heating, rainproof, raintight, raised cover, ratchet cable cutters (tool), rated load current, ration (transformer), RCL key (calculator), reactance, readily accessible, receptacle tester, receptacle tab, recessed fluorescent fixture, reciprocal (math), recommended (NEC), recreational vehicle, red brass, red hear anchor (slang), reduce a circuit, reflector flood (lam), relatively directly proportional, relatively inversely proportional, relay, remodel site, remote control, remote control circuit, removable cover, renewable fuse, renewable fuse link, required (NEC), reset, residential, residential dwelling unit, residential optional service calculation, residential standard calculation, residual voltage (capacitor), resistance heating, resistance of conductor, resistive load, resultant (math), reverse cycle, reverse polarity, revolutions per minute, RG 56 coaxial cable, RG 59 coaxial cable, rheostat, right bracket (calculator), right hand thread, right triangle, rigid metal conduit, rigid nonmetallic conduit, ring out (slang), riser, riser diagram, romex (slang), romex connector (slang), rotating parts, rotor, rpm (abbreviation), rubber cord, rubber tape, rule-of-thumb, run winding, running board, rust, rust inhibitor.



S

S loop, saw tooth wave form, schematic diagram, scrulox screw head, SE cable, sealable equipment, sealoff compound, secondary winding, secondary service conductors, secondary conductor, secondary, selector switch, self drilling anchor, self grounding receptacle, separately derived system, series circuit, series rated system, service equipment, service calculation, service call, service change, service drop conductors, service drop clearance, service drop, service entrance conductors, service entrance cable, service lateral, service lateral conductors, service load, service mast, service point, service riser, set screw, 77 wire lube (slang), shared neutral, shellac, shielding, short circuit withstand rating, short circuit current, short-time duty, show window, sign, snap 6 (slang), silver coated, simultaneous equation (math), simultaneous load, sine wave, single pole single throw, single pole double throw, single phasing, sinusoidal, site lighting, sixty cycles per second, skin effect, sledge hammer (tool), slide dimmer, slide switch, slip coupling, slip rings, slotted angle (slang), small appliance branch circuit, smoked (slang), SMR, snap switch, SNMR, sodium vapor lamp, solder flux, solder paste, solder pot, solenoid, solvent, source, source voltage, SPA, spade terminal, span, SPDT, special permission, speed control (motor), spot (lamp), SPST, square root of three, square wave form, squeeze connector, stacked switch (slang), standard calculation, standard maximum, start winding, static electricity, stationary appliance, stator, step-down transformer, step-up transformer, STO key (calculator), storable pool, straight connector, straight pull, straight splice, strain, strain relief connector, stripping knife (tool), stud punch (tool), stud remover (tool), sub feed (slang), subdivided load, substitution algebra, sulfuric acid, sulfuric acid (safety), sunlight resistance, supplementary, supply circuit, surface mounted, surface raceway, SWD, switch board, switch loop, switch gear.



T

T conduit, T splice, T slotted receptacle, tag, tag-out (slang), tap, tap a tap, tap conductor, taut, TB conduit, temper (steel), temperature gradient, temperature conversion, temperature coefficient, temperature differential, temperature correction factor, tension, terminal bar, terminal block, terminal strip, terminate, terra-cotta, terra-cotta wall, test lamp, test lead, thermal cutout, thermal protector, thermally protected, thermocouple, thermoelectricity, thermometer, thermopile, thermoplastic, thermostat, thinwall conduit (slang), threaded coupling, threaded rod, threading oil, threadless connector, threadless coupling, three phase power, three pole breaker, through bolts, throw away box, thumb switch, tic tracer (tool), tied neutral, tightening torque, time clock, time delay fuse, tinsel cord, torque wrench, torx screw head, touch dimmer, toxic fumes (safety), TP, TP rated recessed fixture, TPST, TPDT, track lighting, trade name (wire), trailer park, transformer primary, transformer secondary, transformer voltage ratio, transformer, transformer input, transformer line side, transformer load side, transformer output, transformer primary, transformer secondary, transformer turns ratio, transformer vault, transmission lines, transportable X-ray, travel trailer, turboelectric effect, tricky-hook-up three way (slang), trigonometry, triple pole double throw, triple pole single throw, triplex aerial cable, trip, tripping out, tripping out (slang), troffer fluorescent, trough, TRST, truck camper, tubing, tungsten wire, turns (windings), turns ratio (windings), TV jack (slang), TW (conduit), twist lock, twist out, twist-lock cap, twist lock device, twisted pair, two family dwelling, two pole breaker, type letter, type S fuse, type S fuse adapter.



U

U pull, UF, UL, ultimate trip current (motor), unbalanced load, unbalanced current, uncoated, underground conductor, underground feeder cable, Underwriters Laboratory, underwriters knot, ungrounded conductor, unibit (tool), unistrut (slang), unity power factor, unvalcanized, USE cable, utility, utilization equipment, UV rating.



V

Vapor proof, vapor proof fixture, variable resistor, varnish, varnished cambric, varying duty, Vd, voltage drop, ventilated, ventilation, vertical axis (math), vertical clearance, very high out put (fluorescent), volatile flammable liquid, voltage drop, voltage drop branch circuit Vdbc, voltage drop feeder Vdf, voltage drop total Vdt, voltage gradient, voltage nominal, voltage of a circuit, voltage to ground, volt detector, voltmeter, vulcanized.



W

Waiver, wall wrap (slang), warning ribbon, water (safety), watt hour, watt meter, weep hole, western union splice, wet cell, wet location, wet niche fixture, wild leg (slang) windings, wire bending space, wire gauge, wire lubrication, wire pulling lubricant, wire pulling basket, wireway, wiring diagram, wiring duct, within sight, working space, workman-like-manner, workmanship, wrap cap, wraps (slang), wrenchtight.

**X Y**

Yoke.

Z

Zero adjust (meter), zinc, zinc coating, zip cord.

**All Technical Literacy - Master Electrician****A**

A/R ratio (harmonic), abrade, AC, AC loop tester, across-the-line starter, AC spike, ACT, ACTHH, actual power, actuator, ADC, adjacent side of a right triangle, adjustable circuit breaker, administrative authority, advanced tracer meter, AFCI, AIC, AIC rating, AIC rating not marked, AIC rating marked, air brake type circuit breaker, air-core inductor, aisle lights, AL/CU, algebraically, alternating current, alternator, American Electrician Handbook, American National Standards Institute, amortissem winding, ampere-turns (transformer), amplitude, analog bar graph, analog device, analog input module, analog output module, analog readout, analog signal, anchor boss screw (fish tape), anchor rod, ABCII, and (logic), angle theta, annunciator, ANSI, anti-plugging, apparatus, apparent power, appliance coupler, arc chute, arc fault, arc lamp, arc tube, Arc-D-TECT, arc-fault circuit interrupter, armature, asbestos, associated, attachment plug, auto ranging, automatic data collection, automatic transfer switch, automation, auto polarity meter, auto ranging meter, autotransformer starter, auxiliary power supply, auxiliary non electric connection, auxiliary contacts, average responding meter.

**B**

Back emf, balustrading, bandwidth specification, bar-coding, battery bank, battery rack, bimetallic strip, bipin fluorescent tube, black light, blinker disc, blocking diode, blow out coils (arc blast), bolted connection, Boolean algebra, branch circuit

selection current, brown-out (slang), brushes-carbon, BTU, buck and boost transformer, bulk storage plant, bull switch, bundled conductors, bus bar clamp, bypass isolation switch.



C

cable types CM, CMG, CMP, CMR, CMUC, CMX, MP, MPG, MPP, MPR, cable fill, cable sealing, cable slack, cable splicing block, cable tray system, camping trailer, capacitance C, capacitive reactance, capacitor run motor, capacitor start motor, capacitor start fluorescent, carton marking (UL), cascade (control), cascading, cascading (switch-to-switch), cast aluminum alloy fitting, CATV, CATV P, CATV R, CATV system, CATV X, cautionary statements, CD-ROM, ceiling height, cell line, cellular concrete floor raceway, cellular metal floor raceway, cemf, center pivot irrigation machine, chassis, chatter (relay), chattering relay, chip, chlorinator, choke (coil), circuit breaker current limiter, circular cross section, clamp back, clamp-on transducer, clamped connection, class CTL cartridge fuse holder, Class I Groups A, B, C, D, Class I location, Class II Groups E, F, G, Class II location, Class III location, Class R fuse, classification marking, classified (UL), climbing space, clip-clamp, clock-operated switch, closed construction, closed loop (telephone wiring), coaxial cable, collector rings, color coding, combustible low-density cellulose, communication cable, commutator, compact conductor, compact fluorescent, compact stranding, compensator, compound motor, compressor-evaporator, concentric neutral, concrete-encased, condensing unit, conductive floors, conductive rubber, conductor clearance, conductor types CU-A, conductor type AL, conductor type, conductor types CU-C, CC-C, CC, CU-C, CU, connection diagram, contact bounce, contact conductor, contacts, control circuits, control logic, control relay, control wiring, controlled vented power fuse, controller, converter, convolutions, copper losses, copper pigtail lead, cord pendant, corona effect, cos (trigonometry), cosine, cosine theta, counteremf, coupling coefficient (transformer), cove lighting, crest (true-rms meter), critical load factor, crossing (FCC cable), crows foot, crystalline structure (metal), CT, CTL, CTL designation breaker, cube tap, current Hall-effect probe, current limiting, current probe, current sink, current source, current tap, current transformer, cursor, cycles per second, cylindrical structure.



D

Data, data processing equipment, data/logger records, deadman pole, debouncing, debug (slang), decabit receiver, deflection of conductors, dehumidifier, delta breaker, delta configuration, delta high leg, delta primary, delta winding, delta-delta transformer, delta-wye transformer, demand factor, demand indicator, demand meter, dependent operation (controls), derating factor (transformer), derangement panel, derangement, design specification, detachable pullout, detachable switches, device- input, device-output, diagnostic light, diagnostics, diametrically opposed, dielectric strength,

dielectric test, dielectric heating, difference of potential, different class conductors, digital multimeter, digital readout, displacement power factor, distribution panel, diversified load, division, door panel assemblies, double hump waveform, downloading, driptight, drop box (theater), drop-out, drop-out voltage, drum switch, dry-niche, dry-niche submersible fixture, dual rated, duce board, duct, duct heater, dust-ignition proof, dusttight, duty rating, DVD, dynamo, dynamotor.



E

Earth return, eddy current, eddy current loss, effectively grounded, egress illumination, elapsed time meter, elapsed-time, elapsed time meter, electric discharge fixture, electric noise, electric valve, electric vehicle connector, electrically continuous, electric appliance and utilization equipment, electrical construction materials, electrical interlock, electrolysis, electrolysis cell, electroendosmosis, electromagnetic field, electromagnetic flux, electronics, electronically activated fuse, electro phobia, electroplating, electrostatic air cleaner, element (PLC), elementary diagram, elevated voltage, Eli the ice man, elliptical, emergency power, emergency over ride, emergency generator, emergency batteries, end closure plate, end play (motor), end-of-life failure, energize, energy absorption means, equipment assemblies, Eriksson union, escutcheon plate, essential electric system, EV, ev nonvented storage battery, ev supply equipment, evaporator cooler, exiting port (fish tape), excitation, exothermic welding, expansion union, expansion fitting, exponential wave form, expulsion fuse, external shunt (meter), externally operable, extinguishing system.



F

Fail-safe operation, farads, fault, fault current, FC cable, feeder switches, federal specification, ferromagnetic envelope, fiber optic cable, field assembled, field evaluation service (UL), field inspection (UL), field investigation (UL), field windings, fire pump, fire rated assembly, fire rated penetration, fire rated, fire wall, fireproofing, firm power, flame resistant, flame retardant, flat cable assembly, flat conductor cable, flat top waveform, flexible metal conduit-RW, float switch, flow chart, flux (magnetism), flux leakage, flux lines, foot candles, FPL cable (UL), FPLR cable (UL), frame, front elevation, fundamental frequency, fuse enlarger, fuse reducer.



G

Galvanometer, gas detector, gas station breaker (slang), gas tight, gasket assemblies, gasoline resistant, GFCI type A, GFCI type B, gradient, ground fault loop impedance, ground fault loop resistance, ground indicator, ground loop, ground potential, growler.



H

H1, H2, H3, HACR, Hall effect, halogen lamp, hard contacts, hard electrical connection, hard-wired, hardware, harmonic analyzer, harmonic distortion, harmonic spectrum, harmonic traps, hazardous locations equipment directory, heat detector, heat pump, heat sink, heating lead conductors, hermetically sealed, hertz, HID, high leg, high pressure sodium lamp, high tension, high voltage, high water cut-out, hitching up (slang), hobby transformer, hoist, hoist runway, holding circuit, holding contacts, horsepower rating, hospital type, hot resistance, hot tub, hum (AC), humidifier, hybrid branch cable, hydraulic terminal crimper, hydraulic cable cutter, hydraulic bender, hydro-electric generator, hydrochloric acid (safety), hydrogen, hydro massage bathtub, hydrometer, hypotenuse, hypress lug, hysteresis, hysteresis loss, hysteresis lag, hysteresis loop.



I

I²R loss, IAEI, IC fixture, ice loading, IEEE, ignition transformer, igniter, imbalance, impedance, impedance protected, impedance voltage drop method, impedance heating, in phase, inching (control), indenter fitting, indenter (tool), independent operation (control), indoor ballast, induced voltage, inductance, induction heating, induction motor, inductive reactance, industrial machinery, industrial robot, industrial manufacturing system, infrared lamp, injector pump, input (PLC), input power, inrush current, instantaneous peak phase current, instantaneous value (wave), instantaneous trip circuit breaker, instrument transformer, insulating material, insulating varnish, integer multiple (math), integral seal, integral connector, integrated gas spacer cable, interaction, interactive system, interconnected, interface (control), interharmonics, interlock - mechanical, interlock - electrical, interlocking apparatus, intermittent power disturbances, intermittent operation, internal shunt (meter), interrupted, interrupting rating, interstices, intrinsic safety, intrinsically safe circuit, intrinsically safe apparatus, intrusion detection, inverse square law (math), inverse time circuit breaker, inverter, iron reluctance, iron-core inductor, iridescence, irrigation machine, isolating switch, isolation transformer.



J K

Jacket (conductor), jam nut (slang), Japan varnish, job estimate, jockey pump, jog push button, jog selector switch, jogging, joint use pole, joule.

K factor (transformer), k factor (harmonic), k factor rated, k of a transformer, keeper pin, knob-and-tube wiring, KVA.



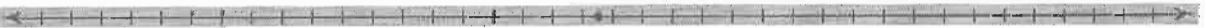
L

L1, L2, L3, labor estimate, labor units, ladder diagram, laminated core (transformer), laminated core, lamination, lamp test button, landscape lighting, lap joint, latch mechanism (relay), latching relay, lateral conductors, latticed structures, laud line, layout, LCR circuit, lead covered conductor, LED, left hand rule, left handed rotation, Lenz's Law, light emitting diode LED, lighting and appliance panelboard, lightning arrester, lightning rod, limit switch, limited smoke test, limited smoke producing characteristics, line isolating monitor, link fuses, liquid wrench (slang), listing mark, live-line work, lighting busway, location board, lock key switch, lock off, lock out, lock-out tag, locked rotor torque, locked rotor, locked rotor current, locking switch, logic, logic diagram, long-time rating (x-ray), loop resistance, lovejoy coupling (slang), low ambient, low potential system, low pressure sodium, low voltage, low water cut-out switch, LS. lumen. luminaries.



M

M1 control, M2control, mA a.c., mA d.c., mA milliamps, machine tool, machine tool wire, machine tool cable, machine tool wire, magnetic raceway, magnetically operated switch, major diameter, male inlet, malfunction, manhole, manual, manual motor starter, manual override, manual transfer switch, manually operated switch, manufactured phase, manufactured building, manufacturers name, marine enclosed switch, marine equipment, mass production industrial, master electrician, maximum value (wave), mechanical interlock, mechanically held (relay), medium voltage, medium voltage cable, meggar, megohmmeter, melting alloy overload, mercury vapor lamp, messenger supported cable, metal clad cable, metal halide, metal halide lamp,, meter base blank, meter base, meter jaws (slang), meter ring, meter seal, meter switch, MI cable, mica, MIN MAX recorder (meter), mineral-insulated metal-sheathed, minor diameter, mixer pump, mnemonic, module, molded-case, momentary rating (x-ray), momentary conduit, motion picture stage, motion picture studio, motor code letter, motor control circuit, motor controller, motor control center, Motor Design B, Motor Design E, motor terminal housing, motor circuit switch, motor generator set, molded case circuit breaker, mounting pedestal, mounting post, multi-outlet assembly, multimeter, muratic acid (safety), mushroom head push button, mutual induction, mV a.c., mV d.c., mV mili volts.



N

Nand (logic), National Sanitation Foundation, NEC Handbook, NEC Report on Comments, NEC Report on Proposals, NEC ROC, NEC ROP, NEC Usability Task Group, negative conductor of battery, negative rotation, NEMA, NEMA enclosure types: 1, 2, 3, 3R, 3S, 4,

4X, 6, 6P, 7, 8, 9, 11, 12, 12K, 13., NFPA 70, no-niche submersible fixture, nominal voltage, non-IC fixture, non-linear load, non-professional projector, non-separable attachment plug, non-adjustable circuit breaker, nonincendive circuit, nonlinear load, nonmagnetic raceway, nonmetallic surface extension, nonpower limited conductor, nonsinusoidal, nonsinusoidal current, nonvented power fuse, nonventilated, nor (logic), NPLF cable (UL), NPLFP cable (UL), NPLFR cable (UL), NPN, NSF (organization), nylon jacket.



O

Off-delay timer, off-line, office lighting, oil cutout switch, oil immersion switch, oil resistant, oil switch, on delay timer, on-line, one full cycle, open conductor, open-to-short transition, operating device, opposite side of a right triangle, optic fiber cable, optical fiber raceway, or (logic), orderly shutdown, oscillating, oscilloscope, outdoor ballast, outer race (fish tape), outline drawing, outline lighting, output power, overhead lines, overvoltage relay.



P Q

Panelboard directory, parallax error, paralleled circuit breakers, paralleled conductors, parking lot lighting, patient equipment grounding potential, peak demand needle, peak demand, peak function (true rms meter), peak load, peak value, peak-to-peak value, period, periodic duty, peripheral equipment, pf, pf connection, phantom reading, phase, phase angle, phase converter, phase difference, phase rotation indicator, phasor, phasor rotation, photo electric switch, photo-voltaic panel, photo-voltaic power source, m photo-voltaic module, pick up voltage, piezoelectric, pilot-type device, pin socket, plate electrode, PLC, plenum, plenum wiring, plugging box, plunger switch, pneumatic timer, pneumatic, PNP, point-of-service, point-of-utilization, point-to-point AIC calculation method, poke-through, polarity, poles in motor/generator, polyphase, portable lighting unit, portable x-ray, positive pressure ventilation, positive rotation, potential difference, potting compound, poured splice body, powdered graphite, power and control tray cable, power and control, power distribution block, power factor meter, power factor correction, power fuse unit, power groove fluorescent, power limited conductor, power panelboard, premises wiring, pressure switch, prestressed concrete structure, primary line current, primary line voltage, primary phase voltage, primary phase current, primary power, prime mover, product category (UL), professional projector, profit and overhead, programmable logic controller, proscenium, proximity switch, proximity detector, pullers (arc blast), pulley puller, pulling tension, pullout switch, pyrophoric material.

Q of a coil, quarduplex aerial cable, qualified personnel, quartz lamp, quick connection terminals.



R

Racing relays, radiant heat, random separation, rating HV, RC circuit, reactance, reactance total X ohms, reactance type starter, reactive power, readily climbable, rebuilt, reconditioned, recording volt meter, recording amp meter, rectifier, regulator bypass switch, reinforced concrete structure, rejection mechanism, rejection pins, rejection clips, relay, relay contacts, relay logic, remanufactured, remotely operable, repulsion start induction run motor, repulsion motor, residual voltage (capacitor), resin, resistance type starter, resonant harmonic, resultant (math), retrofit device, RF probe. right triangle trigonometry, RL circuit, rms, RMS symmetrical, rms value, rod electrode, root-mean-square, rosette, rotary phase converter, rough service lamp, rpm gauge, rubber insulation, run selector switch, running current, rural district.



S

Saddle support, SAE, SBCCI (organization), schematic diagram, school standard calculation, screwless pressure terminal, sealable equipment, sealoff, second harmonic, secondary phase current, secondary line current, secondary line voltage, secondary phase voltage, secondary power, seismic disturbance, selector switch, self contained, self inductance, self induced emf, semi-magnetic starter, sensor, separable attachment plug, separate device, separately derived system, series motor, service disconnecting means, service factor, setting of a circuit breaker, shaded-pole motor, shielded NM-sheathed cable, shooting location, shore power inlet, short circuit rating, short time duty, short-run busway, short-to-open transition, shunt, shunt trip breaker, shunt trip mechanism, side elevation, sign lighting, signaling circuit, sine (trigonometry), sine, single pin fluorescent tube, single shot timers, sixty cycle hum, skin effect heating, snuff coils (arc blast), sodium vapor lamp, solar cell, solar voltaic system, solenoid valve, solid state, solid state switch, solvents, SPA, spade terminal lug, spec grade, specification grade, speed drive (motor), speed regulator, spike (voltage), split bus panel, squirrel-cage motor, stainless steel screws, standoff, star circuit (slang), star winding, static neutralizing equipment, static protection, stator, stator windings (motor), step down transformer, step-up transformer, storable pool, storage battery, store lighting, stray currents, strobe effect, structural ceiling, sub-contractor, sub-mains (slang), subassemblies, subdivided load, submersible pump, substation, sufficiently remote, suffix - B, suffix - H, suffix -HH, suffix - none, sunlight resistant, supplemental electrode, supply cord, suppression device, surface metallic raceway, surface nonmetallic raceway, surface contained receptacle, surge (voltage), surge arrester, surgesupressor, susceptibility, suspended ceiling, SWD, switchgear, symmetrical.



T

T rated switch, T1, T2, T3, tab, table tap, tachometer, tamper proof, tamper resistant,

tamper switch, tamperproof, tan, tangent (trigonometry), tap, tapped resistor, TDOD, TDOE, telephone outlet polarity tester (meter), television studio, temperature rise, temperature gradient, temporary string lighting, terminal seal (MI cable), thermal-magnetic, thermocouple, thermo magnetic circuit breaker, thermoplastic insulation, third harmonic, threaded hub, three phase power, three phase, three phase 4-wire feeder, three phase 3-wire feeder, three piece coupling, three wire control, tied neutral, tightening torque, time delay off (control), timed delay on (relay)(, timed contact, tool-tracking, torque bolt twist off, torque fight, torque motor, trademark, tram rail, transducer, transfer rings, transfer switch, transformer core loss, transformer copper loss, transformer vault, transformer harmonic derating factor, transient voltage surge suppression, transition assemblies, transition box, translators, traveled way, traveling cables, trigonometry, triple indenter type tool, triplens, true power, true power factor (harmonics), true RMS amp meter, true RMS sensing DMM, true RMS volt meter, tungsten-filament lamp, twist-off torque bolts, two piece connector, two wire control, two-fer (theater), type E motor.



U

U-bent fluorescent, ultimate trip current, unassociated equipment, under floor raceway, under plaster extension, undervoltage contacts, undervoltage relay, unfused switch, unguyed pole, uninterruptible power supply, unit substation, universal joint, universal motor, unsupported length car suspension, unsupported length hoist suspension, UPS power system, urban district, useful life.



V

V check function (meter), V max, VA, vacuum tube volt meter, vapor detector, vapor tight, vaporized, VAR, variable, variable inductor, variable resistor, varnish, varnished cambric, varying duty, vault, vector, vector sum, vented power fuse, viscometer, volatile, volatile memory, voltage imbalance, volt-amperes reactive, volt-amperes VA, VTVM, vacuum tube volt meter.



W

W symbol, W true power, wall elbow, wasted flux, watchdog timer, water flow indicator, wave length, wave shape, wedge clamp connector, wet-niche submersible fixture, wheatstone bridge, wheel puller, wind displacement, wind loading, wire suffix: D, L, M, AL, 2, VW-1, wire types FEP, SA, THW, TW, RH, XHH, THHN, RHW, XHHW, SIS, MTW, ZW, Z, XHHW-2, THHW, TA, RHW-2, TBS, TFE, THWN, wiring diagram, wiring duct, withstand rating, work hardening (metal), wound rotor motor, wye configuration, wye secondary,

wye winding, wye-delta transformer, wye-wye transformer.



X Y Z

X reactance, X1, X2, X3, Xc capacitive reactance, Xl inductive reactance.

Z impedance, zero crossing of current wave form.



This Technical Literacy List was compiled by David U. Larson. Suggestions for additions and improvements are requested. Send an email to dularson@bellsouth.net