

SVE – Service Vacuum Elastomer - UL 62 listed, Article 400 of the National Electrical Code® for two or three conductors, 300V, 60°C to 105°C.

SVT – Service Vacuum Thermoplastic - UL 62 listed, Article 400 of the National Electrical Code® for two or three conductors, 300V, 60°C to 105°C.

TACOM – Tank-Automotive and Armaments Command - Part of the United States Army Materiel [SIC] Command. It generates, provides, and sustains mobility, lethality, and survivability for soldiers, other branches of the U.S. armed forces, and allies to ensure Army readiness.

Take-up – Process of accumulating wire or cable onto a reel, bobbin, or some other type of packaging. Also, the device for pulling wire or cable through production equipment.

TC – Tray Cable - UL 1277 listed and CSA 239 certified, Article 402 of the National Electrical Code® for factory assembly of two or more insulated conductors, with or without grounding conductor(s), and enclosed in nonmetallic sheath or armor with an operating voltage of 600V. For use in robotics, power generation and others.

Tear strength – Force required to initiate or continue a rip in a jacket or other insulation under specified conditions.

Tensile strength – Amount of force, measured in pound-force per square inch (PSI), which it takes to break the material.

TF – Thermoplastic PVC Fixture - UL 66 listed, Article 402 of the National Electrical Code® for insulated singles, 18-16 AWG, solid or 7 strands, 600V, 90°C dry and wet for use in luminaires and UL 1277 listed Tray Cable and UL 1569 listed Metal Clad Cables.

TFE – Tetrafluoroethylene.

TFF – Thermoplastic PVC Fixture Flexible - UL 66 listed, Article 402 of the National Electrical Code® for insulated singles, 18-16 AWG, more than 7 strands, 600V, 90°C dry and wet for use in luminaires and UL 1277 listed Tray Cable and UL 1569 listed Metal Clad Cables.

TFFN – Thermoplastic PVC Fixture Flexible Nylon Jacket - UL 66 listed, Article 402 of the National Electrical Code® for insulated singles, 18-16 AWG, more than 7 strands, 600V, 90°C dry and wet for use in luminaires and UL 1277 listed Tray Cable and UL 1569 listed Metal Clad Cables where gasoline resistance is required.

TFN – Thermoplastic PVC Fixture Nylon - UL 66 listed, Article 402 of the National Electrical Code® for insulated singles, nylon jacketed, 18-16 AWG, solid or 7 strands, 600V, 90°C dry and wet for use in luminaires and UL 1277 listed Tray Cable and UL 1569 listed Metal Clad Cables where gasoline resistance is required.

Thermal conductivity – Ability of material to conduct heat.

Thermal rating – Maximum and/or minimum temperature at which a material will perform its function without undue degradation.

Thermoplastic – Classification of resin that can be readily softened and reformed by heating and be re-hardened by cooling.

Thermocouple wire – Wire used as a sensor for measuring temperature that consists of two dissimilar metals joined together at the sensing end.

Thermoset – Cure through chemical reaction by heat and cooling.

THHN – Thermoplastic PVC High Heat Nylon Jacket - UL 83 listed, general requirements of NFPA 70 for cable, 600V, 90°C, dry and damp locations.

THHW – Thermoplastic PVC High Heat Wet Location Use - UL 83 listed, general requirements of NFPA 70 for cable, 600V, 90°C, dry and 75°C wet locations.

THW – Thermoplastic PVC Heat Resistant Wet Location Use - UL 83 listed, general requirements of NFPA 70 for cable, 600V, 75°C, dry and wet locations.

THW-2 – Thermoplastic PVC Heat Resistant Wet Location Use 2 - UL 83 listed, general requirements of NFPA 70 for cable, 600V, 90°C, dry and wet locations.

THWN – Thermoplastic PVC Heat Resistant Wet Location Use Nylon Jacket - UL 83 listed, general requirements of NFPA 70 for cable, 600V, 75°C, dry and wet locations.

THWN-2 – Thermoplastic PVC Heat Resistant Wet Location Use Nylon Jacket 2 - UL 83 listed, general requirements of NFPA 70 for cable, 600V, 90°C, dry and wet locations.

TIA – Telecommunications Industry Association - Accredited by the American National Standards Institute (ANSI) to develop voluntary, consensus-based industry standards for a wide variety of Information Communications Technology (ICT).

Tin Overcoat (TOC) – Tinned copper wire, stranded, then coated with pure tin.

Tinned Copper (TC) – Easier to solder than bare copper, corrosion resistant, and can withstand temperatures up to 150°C.

Tinsel wire – Copper or other metal wound around tiny threads of a strength material.

Tip – Extrusion tool that guides the conductor or core through the die.

Tipsters – Device used to tip material containers.

TOC – Tin overcoat - Tinned copper wire, stranded, then coated with pure tin.

Tolerance – Specified allowance designated by a standard or given dimension, weight or property.

TPES – Thermoplastic Polyester - Can be used as an insulation or jacket material.

TPR – Thermoplastic Rubber - Can be used as an insulation or jacket material.

TPU – Thermoplastic Polyurethane - Can be used as a jacket material.

Triad – Grouping of three conductors or three assemblages of conductors generally twisted together and found within a single cable.

Triboelectric noise – Noise generated in a shielded cable caused by variations in capacitance between shield and conductor as the cable is moved.