

## GLOSSARY

**TEMPERATURE RATING:** The maximum and minimum temperature at which an insulating material may be used in continuous operation without loss of its basic properties.

**THERMOCOUPLE:** A device consisting of two dissimilar metals in physical, which when heated, will develop an emf output.

**THERMOPLASTIC:** A material which softens when heated or reheated and becomes firm on cooling.

**TINNED COPPER:** Tinned coating added to copper to aid in soldering and inhibit corrosion.

**TRAY CABLE:** A factory-assembled multi-conductor or multi-pair control, signal or power cable specifically approved under the National Electrical Code for installation trays.

**TRIAxIAL CABLE:** A cable construction having three coincident axes, such as a conductor, first shield and second shield all insulated from one another.

**TRIPLE (TRIAD):** A cable consisting of three insulated single conductors twisted together.

**TUBING:** A type of extruded non-supported plastic or metallic material.

**TWINNING:** Same as pairing.

**UF:** Thermoplastic underground feeder and branch circuit cable.

**UHF:** Ultra High Frequency, 300 to 3,000 MHz.

**UL:** Underwriters Laboratories

**UTP:** Universal Twisted Pair cable.

**VITON:** DuPont trademark for fluoroelastomers based on the copolymer of vinylidene fluoride and hexafluoropropylene.

**VOLT:** A unit of electromotive force.

**VOLTAGE:** The term most often used in place of electromotive force, potential, potential difference or voltage drop to designate the electric pressure that exists between two points and is capable of producing a current when a closed circuit is connected between two points.

**VOLTAGE RATING:** The highest voltage that may be continuously applied to a wire in conformance with standards or specification.

**VW-1:** A flammability rating established by Underwriters Laboratories for wires and cables that pass a specifically designed vertical flame test.

**WATER ABSORPTION:** Water by percent weight absorbed by material after a given immersion period.

**WATT:** A unit of electric power. The watt is the power required to do the work at the rate of one joule per second.

**WAVELENGTH:** The distance measured in the direction of propagation, of a repetitive electrical pulse or waveform between two successive points.

**WIRE:** A slender rod or filament of drawn metal.