

Application & Selection Guide for Standard Product



Source	Designation	Product	Typical Applications
UL / CSA	MTW	Polyvinyl Chloride	Machine Tool Wire: Multi-rated general purpose PVC wire for machine tools and panelboards. Suited for wet or dry applications. Rated 90C, 600V.
UL	SIS	Crosslinked Polyethylene	Switchboard Wire: XLP is generally used for wiring of switchboards, distribution boards and control apparatus. Rated 90C, 600V.
UL / CSA	AWM TEW	Polyvinyl Chloride	Appliance Lead Wire: Major appliances such as refrigeration and air conditioning units. Rated 105C, 600V.
UL / CSA	XLP	Crosslinked Polyethylene	Appliance/Motor Lead Wire: Ranges, heat pumps, refrigeration and air conditioning units, motors, controls and transformers. Rated 125C, 600V.
UL / CSA	SFF-1 SEWF-1	Silicone w/ Glass Braid	Appliance/Fixture Wire: Quartz heaters, toasters, thermal protectors and recessed light fixtures. Rated 150C, 300V.
UL	AWM Braidless SILICONE	Silicone Rubber	Appliance, Motor, Control Lead Wire: Slow cookers, coffee makers, meat probes, lighting fixtures, motor leads, mercury switches and thermostats. Rated 150C, 300/600V.
UL / CSA	FEP	Teflon	Appliance/Communications/Medical/Control Systems Lead Wire: Heater elements, gas Igniters, appliances, thermocouples and electrical/electronic/surgical instruments. Rated 150C, 300/600V.
UL / CSA	SFF-2 SEWF-2	Silicone w/ Glass Braid	Appliance, Fixture, Motor, Power Supply Lead Wire: Small domestic heating and cooking devices, motor leads, power supply leads and transformers. Rated 150C, 600V.
UL	AWM Braidless SILICONE	Silicone Rubber	Appliance, Motor, Control Lead Wire: Slow cookers coffee makers, meat probes, lighting fixtures, motor leads and mercury switches. Rated 200C, 300/600V.
UL / CSA	SF-1 SEW-1	Silicone w/ Glass Braid	Appliance Lead Wire: Small domestic heating and cooking appliances, hair dryers, steam irons, quartz heaters and thermal protectors suited for exposed leads. Rated 200C, 300V.
UL / CSA	SF-2 SEW-2	Silicone w/ Glass Braid	Appliance/Fixture Lead Wire: Range top burners and back panels, steam irons, toasters, broiler ovens, gas dryers, kilns, quartz heaters and recessed light fixtures. Suited for exposed leads. Rated 200C, 600V.
UL / CSA / MIL SPEC	FEP W-16878D	Teflon	Appliance/Communications/Medical/Control Systems/Military Lead Wire: Heater elements, appliances, thermocouples, gas igniters, electrical/electronic/surgical instruments and military. Rated 180/200C, 300/600/1000V.
UL / CSA	SP-1, SP-2, SP-3, HPN, HPD	Thermoset Parallel Cord	2 Conductors: Small signs, electric blankets, heating pads, broilers, flat irons, fry pans, coffee makers, hair curlers, air conditioners, refrigerators, soldering irons and industrial heating pots. Rated 60/105C, 300V.
UL / CSA	SV, SVT, SVO	SV, SVT, SVO & Thermoset Round Cord	2 and 3 Conductors: Floor polishers, sanders, vacuum cleaners, food mixers and office machines. Rated 60/90C, 300V.
UL / CSA	SJT, SJ, SJO, HSJO	Thermoplastic & Thermoset Round Cord	2 and 3 Conductors: Portable hand tools, washing machines, polishers, sanders, vibrators, therapeutic machines, stop lights, dishwashers, sound equipment, heater cord, medical equipment, medium duty tools and machinery motor leads. Rated 60/105C, 300V.
UL / CSA (CSA up to 10C only)	S, SO, SOW-A, SOW, ST, STO	Thermoplastic & Thermoset Round Cord	2, 3, 4 and up to 70 Conductors: Heavy duty service for tools, portable lights, battery chargers, welders, floor surfacing machines and as pendant and control cables. Rated 60/105C, 600V.
UL	Hi-Voltage SGI	Silicone w/ Glass Braid Braidless Silicone Rubber	Gas Ignitor Wire: Furnaces, heating and air conditioning units, gas water heaters, range top burners, ovens ignition systems such as electronic high voltage and piezoelectric spark igniters. Rated 150/250C, 10KVAC, 50KVDC.
UL / CSA	PFA	Teflon	Appliance/Heating System Wire: Commercial food service equipment, appliances and heater elements. Rated 250C, 300/600V.
UL / CSA	TGS/TGT TGGS/TGGT	TFE Tape w/ Glass Braid	Appliance/Lighting/Industrial Heating Lead Wire: Infrared ovens, flood lights, lamp holder leads, oil and gas fired furnaces, band and strip heaters and kilns. Rated 250C, 300/600V.
UL / CSA	MGS MGT	MICA Tape W/ Glass Braid	Extreme High Temperature Appliance/Industrial Heating Lead Wire: Commercial food service equipment, heaters, heat treating furnaces, kilns, cartridge and band heaters. Rated 450C, 300/600V.
UL / CSA	SPT-1, SPT-2, SPT-3, SRDT	All Plastic Parallel Cord	2 and 3 Conductors: Lamps, radios, clocks, televisions, fans, electric blankets, small signs, phonos, refrigerators, air conditioners, heating pads, electric ranges and dryers. Rated 60/105C, 300V.