

PORTABLE POWER CABLE

Definitions

Portable cords are available with both Thermoset and Thermoplastic constructions. Thermoset (rubber) material hardens or “sets” under direct application of heat (this is called curing), and once it sets, is not able to be resoftened by heating. Thermoset is a much more durable compound than Thermoplastic.

Thermoset cords include the following types:

SOOW Portable Cord, SOOW Portable Control Cable (**S**ervice, **Q**il resistant jacket, **Q**il resistant insulation, **W**eather resistant)—Has a tough, flexible Thermoset rubber jacket which is abrasion, sunlight, ozone, oil and chemical resistant. SOOW is also water submersible and flame retardant. SOOW is designed for indoor and outdoor use with industrial equipment, heavy tools, battery chargers, portable lights and power extensions. SOOW meets CSA approval for outdoor use.

SJOOW (**S**ervice, **J**unior, **Q**il resistant jacket, **Q**il resistant insulation, **W**eather resistant)—Junior service cord (300V). SJOOW has an all rubber construction, remains flexible at low temperatures, and is designed for indoor use with portable tools, equipment and motors.

Thermoplastic (plastic) material softens when heated and becomes firm upon cooling. It is not as durable or as flexible as Thermoset material, but is much lighter in weight and offers excellent low temperature resistance. Thermoplastic cords include the following types:

SEOOW/STOOW (**S**ervice, **E**lastomer jacket, **Q**il resistant jacket, **Q**il resistant insulation, **W**eather resistant)—Features a Thermoplastic Elastomer jacket and insulation, which offer exceptional low temperature capabilities. SEOOW has an oil resistant jacket and is water resistant and extremely lightweight. SEOOW is suitable for outdoor use in industrial applications with construction tools and other electrical equipment, but is not recommended for contact with hot surfaces. SEOOW meets CSA approval for outdoor use as STOOW.

SVT (**S**ervice, **V**acuum, **T**hermoplastic)—same as SV but with Thermoplastic insulation and jacket.

SPT-1 & 2 (**S**ervice, **P**arallel, **T**hermoplastic)—PVC insulated, extra flexible parallel cord for use in household appliances, including clocks, fans, radios, and most often, SPT-2 in lamps.

STOOW (**S**ervice, **T**hermoplastic jacket, **Q**il resistant jacket, **Q**il resistant insulation, **W**eather resistant)—Hard service Thermoplastic cord which will deform under extreme pressure or heat. STOOW features an oil resistant jacket and is for indoor/outdoor use with heavy tools, equipment, portable lights and power extensions.

SPT-1.5 (**S**ervice, **P**arallel, **T**hermoplastic)—AWM Style 20288, PVC insulated, extra flexible parallel cord for use as internal wiring of appliances or can be woven through links of chains (suspended fixtures).

