



Power Cable & Portable Cord Brochure



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All of your power cable & portable cord needs fulfilled:

Sycor Technology Inc. proudly offers an incredible variety of portable cords and power cords/cables to meet the needs of customers' standard, specialized, or even custom application requirements. Portable and power cords both serve the primary function of transmitting electrical power - a necessity in virtually every industry. Our power cords are available in a multitude of different gauges, materials, and conductor configurations. With our additional stock and specifications, we are able to provide a solution that will satisfy even the most demanding applications.

The main differentiation between portable and power cords lies in their applications. Portable cords are intended for use as temporary power supplies, whereas power cables are built for permanent installation. Power cords can be used in overhead, exposed, or even direct-burial applications and are most commonly used in the electric utility, industrial, and commercial markets.

How Sycor Technology Inc. stands out:

Here at Sycor, we are always curating our catalog to ensure that we have an extensive selection of up-to-date quality products to fit your application. Whether you need service cords, festoon cable, type DLO, type G/G-GC, type W, H07RN-F, 15kV jumper cable, or even more niche products! Even if we don't have adequate stock on hand, or if an accelerated timeline is of the utmost importance, we are ready and able to source what you need so we can connect you with the products you need as fast as possible. These cables can be used in an array of diverse applications, from appliances to motors. They offer great flexibility, are able to withstand harsh environments, and are cost-effective solutions.

Unsure about what type of portable cords/power cables are the right fit for your application? Reach out to our team at sales@sycor.com, our team of experts would be happy to lend a hand and provide insight into the world of wire and cable!



Industry insight: breaking down service cord

Here at Sycor, we know that some of the sub-categories of wire and cable can have quite confusing naming structures, and portable cord is no exception. Below is a comprehensive breakdown for how different types of service cords get their names:

“S” as in service, this designates that the product is a type of service cord.

“J” as in junior, while other service cords have a voltage rating of 600V, any product with **“J”** in the name are junior service cords and have a 300V rating.

“V” as in vacuum cord, this also means that the product is rated at 300 volts, however this specific rating is typically used for vacuum cleaners and other portable cleaning equipment.

“T” as in thermoplastic, this letter is regarding the material that the service cord's jacket is made of.

“E” as in elastomer, similar to **“T”**, **“E”** also regards the material of the service cord's jacket.

“O” as in oil-resistant jacket, meaning that the product has been rated as resistant to certain chemicals, and as such can handle certain environments where it would be exposed to such elements for a period of time

“OO” / **“Double O”**, as in oil-resistant insulation and oil-resistant jacket. This rating means that both the outer jacket and internal insulation are rated to withstand certain chemical interactions for a period of time.

“W” as in weather and water resistant. As the name implies, the **“W”** rating means that this product is suitable to be used inside as well as outside. It is resistant to conditions such as sunlight, moisture, etc.

“WA” stands for solely weather resistant and is less resilient to interaction with water than **“W”**. This product is still rated for use both indoors and outdoors.

So for example; **“SJTOOW”** would be 300V service cord with a thermoplastic jacket that is oil, weather, and water resistant, in addition to the cord's insulation also being oil resistant





Products: Service Cord

Type SJO

300V, EP rubber, 90°C, 18 AWG to 10 AWG, 2 - 4 conductors

Type SO

600V, EP rubber, 60°C, 18 AWG to 2 AWG, 2 - 4 conductors

Type SJOW

300V, EPDM Rubber, 90°C, 18 AWG to 14 AWG, 2 - 4 conductors

Type SOW

600V, EPDM Rubber, 105°C, 18 AWG to 10 AWG, 2 - 4 conductors

Type SJOOW

300V, EPDM Rubber, 90°C, 18 AWG to 10 AWG, 2 - 5 conductors

Type SOOW

600V, CPE, 90°C, 18 AWG to 2 AWG, 2 - 5 Conductors

Type SJTW

300V, Thermoplastic, 105°C, 18 AWG to 14 AWG, 3 conductors

Type STW

600V, Thermoplastic, 105°C, 18 AWG to 6 AWG, 2 - 4 Conductors

Type SJTO

300V, Thermoplastic, 60°C, 18 AWG to 14 AWG, 2 - 4 conductors

Type STO

600V, Thermoplastic, 60°C, 18 AWG to 6 AWG, 2 - 4 Conductors

Type SJEOOW

300V, TPE Rubber, 105°C, 18 AWG to 10 AWG, 2 - 4 conductors

Type SEOOW

600V, TPE Rubber, 105°C, 18 AWG to 10 AWG, 2 - 5 conductors

Type SJTOOW

300V, PVC, 105°C, 18 AWG to 10 AWG, 2 - 4 conductors

Type STOOW

600V, PVC, 105°C, 18 AWG to 10 AWG, 2 - 5 conductors

Type SJ

300V, Rubber, 60°C, 18 AWG to 10 AWG, 2 - 4 conductors

Type SJT

300V, PVC, 105°C, 18 AWG to 16 AWG, 2 - 3 conductors



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Products: Vacuum Cord

Type SV

300V, EPDM or PVC, 60°C, 18 AWG,
2 -3 conductors

Type SVT

300V, PVC, 60°C, 18 AWG to 16 AWG,
2 - 3 Conductors

Type SVO

300V, Neoprene, 90°C, 18 AWG,
2 -3 conductors



Products: Power Cables

Type DLO Diesel Locomotive

2kV, EPR, 90°C, 14 AWG to 1111 MCM,
1 conductor

Type W

2kV, CPE, 90°C, 8 AWG to 500 MCM,
2 - 5 conductors

Type DLO 2kV Wind Power Cable

2kV, CPE, 90°C, 1/0 AWG to 777 MCM,
1 conductor

Type SPT-1 & SPT-2

300V, PVC, 105°C, 20 AWG to 16 AWG,
2- 3 conductors

Type G & G-GC

2kV, CPE, 90°C, 8 AWG to 4/0 AWG,
2 - 4 conductors

Jumper Cable 15kV

5kV/15kV, CPE, 90°C, 2 AWG to
500 MCM, 1 Conductor

Commercial Grade Welding Cable

600V, EPR, 105°C, 6 AWG to 4/0 AWG,
1 conductor

Festoon Cable

600V(2kV peak), PVC or Neoprene, 105°C
static or 70°C dynamic, 16 AWG to 4/0
AWG, 4 - 24 conductors
300V/500V & 80°C for Neoprene

For applications that require an even heavier-duty product, Sycor also carries medium/high-voltage cable. Check out our MV/HV power cable page [here](#) for more information as well as our range of available products.





Products: Power Cables

Stage Lighting UL 1581

600V, EPR or CPE, 105°C, 8 AWG to
4/0 AWG, 1 conductor

H07RN-F

450/750V, Neoprene, 60°C, 17 AWG to
500 MCM, 1 - 24 conductors

Type GTO-15

15kV, PVC, 105°C, 14 AWG, 1 conductor

Station Z

300V, PVC, 80°C, 22 AWG,
2 - 12 conductors

Type SDN Control Cable

600V, Neoprene, 90°C, 18 AWG to
12 AWG, 2 - 37 conductors

Sycor provides quality, quantity, and variety!

We make sure to stock our catalog with products that offer customizability wherever possible:

- Multiple conductors
- Multiple configurations
- National and international standards
- Various shielding options
- Multiple NEMA plug options
- UL & CSA ratings



Don't see the product that you are searching for here? Check out our portable cord and power cable page for the most up-to-date catalog of products available [here](#), or reach out to our team at sales@sycor.com, we are always looking to expand our catalog and are ready and capable of sourcing your desired products.



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