Pro Cables™

POWERCON™ EXTENSION **ASSEMBLIES**

Description

Rugged, dependable, and highest quality PowerCon Extension Assemblies feature the attention to detail that puts Pro Cables cable assemblies in a class of their own. Available with 12/3 and 14/3 SJO and SO flexible cable, plus a wide selection of adapter cables, Pro Cables PowerCon Extension Assemblies are trusted by professionals everywhere. All TMB power assemblies built in North America are fully listed, compliant with NEC Articles 520 and 530, for use in entertainment production and staging applications.

Features

- Rugged construction for long life and durability
- Wide variety of Grey and Blue adapter cables
- Unique to TMB, our Pro Cables assemblies made in North America are cCSAus Listed for extra-hard or hard usage, fully compliant with NEC codes for use in stage, studio, and event applications
- Ideal for stage and theatrical uses
- Custom labels available for personalization and security. Standard and custom configurations available.

Applications

Portable power connections of many kinds: Concerts; Touring; Theatre; Film and Television Production

Available Cables

12 AWG 3C Type SOOW Extra Hard Usage
14 AWG 3C Type SOOW Extra Hard Usage
16 AWG 3C Type SOOW Extra Hard Usage
12 AWG 3C Type SJOOW Hard Usage
14 AWG 3C Type SJOOW Hard Usage
16 AWG 3C Type SJOOW Hard Usage
White cable available by custom order

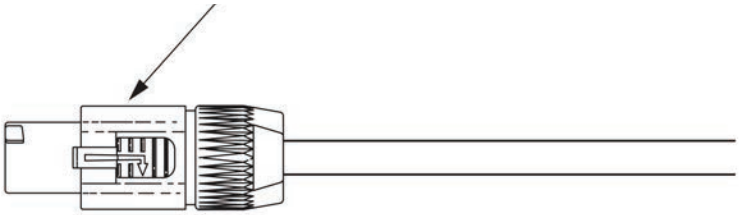
Available Connectors

Neutrik PowerCon™ 20A Blue and Grey

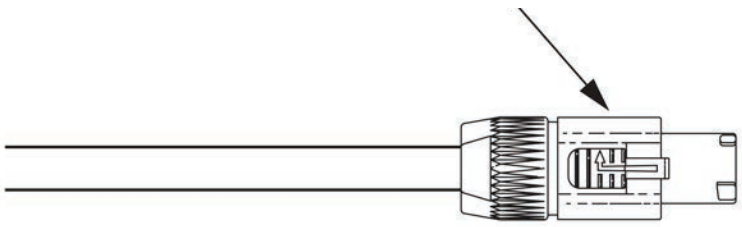
Certifications

C SP US Unique to TMB

Neutrik PowerCon™ 20A Grey Connector



Neutrik PowerCon™ 20A Blue Connector



The First and Still the Best!

TMB Pro Cables – High-quality custom cable assemblies
for the entertainment production and staging industry since 1983!
Over 60 highly skilled assembly technicians worldwide.
Well over 400 years combined experience!
Rigorous testing and quality control
Famous TMB Rush Service Normal!

MADE IN THE USA

Los Angeles +1 818.899.8818
London +44 (0)20.8574.9700
New York +1 201.896.8600
tmb
tmbprocables.com
Toronto +1 519.538.0888
Beijing +86 10.8492.1587
Riga +37 16.868.8955
sales@tmb.com

© 2022, TMB. All rights reserved. Effective: 14 February 2022
Specifications are subject to change without notice. This information supersedes all previously supplied information.

Type SOOW and SJOOW cables are widely-used, general-purpose portable power cables, available under various brands from various manufacturers. The Type SOOW and SJOOW cables used in TMB Pro Cables' assemblies are typically General™, Southwire™, or TF™ brand, although we may use other quality brands as circumstances dictate. SOOW Cables supplied by TMB Pro Cables are all UL Listed for extra-hard usage, and SJOOW Cables are all UL Listed for hard usage.

Type SOOW Cable

Extra heavy-duty portable (indoor/outdoor) 3-conductor, 600V, round cable, with black abrasion-, weather-, water-, and UV-resistant rubber jacket. Stranded bare copper conductors. Conductor color code: black, white, green. Temperature range: -40° to +90° C.
Assemblies CSA Listed for extra hard usage.

Part Number	Size	No. of Conductors	Stranding	Nom. Insulation Thickness		Nom. Overall Diameter		Approx. Weight	Current Max.*
	AWG		#/AWG	Inch	mm	Inch	mm	Lbs/1Kft	Amps
WSO123	12	3	65/30	0.045	1.14	0.6	15.1	223	25
WSO143	14	3	41/30	0.045	1.14	0.535	13.59	161	18
WSO163	16	3	26/30	0.030	0.76	0.39	10.1	90	13

Type SJOOW Cable

Heavy-duty portable (indoor/outdoor) 3-conductor, 300V round cable, with black abrasion-, weather-, water-, and UV-resistant rubber jacket. Stranded bare copper conductors. Conductor color code: black, white, green. Temperature range: -40° to +90° C.
Assemblies CSA Listed for hard usage.

Part Number	Size	No. of Conductors	Stranding	Nom. Insulation Thickness		Nom. Overall Diameter		Approx. Weight	Current Max.*
	AWG		#/AWG	Inch	mm	Inch	mm	Lbs/1Kft	Amps
WSJO123	12	3	65/30	0.030	0.76	0.43	10.9	131	25
WSJO143	14	3	41/30	0.030	0.76	0.36	9.2	88	18
WSJO163	16	3	26/30	0.030	0.76	0.33	8.4	66	13

* Ampacities based on NEC Table 400.5(A)(1). Green conductor for grounding only

C US

Unique to TMB: All standard North American Pro Cables power cable assemblies, including 6-circuit "Soca" assemblies, are CSA Listed for extra-hard, or hard, usage.

TMB offers the only assemblies fully certified as compliant with National Electrical Code Articles 520 and 530, for use in entertainment production and staging applications.

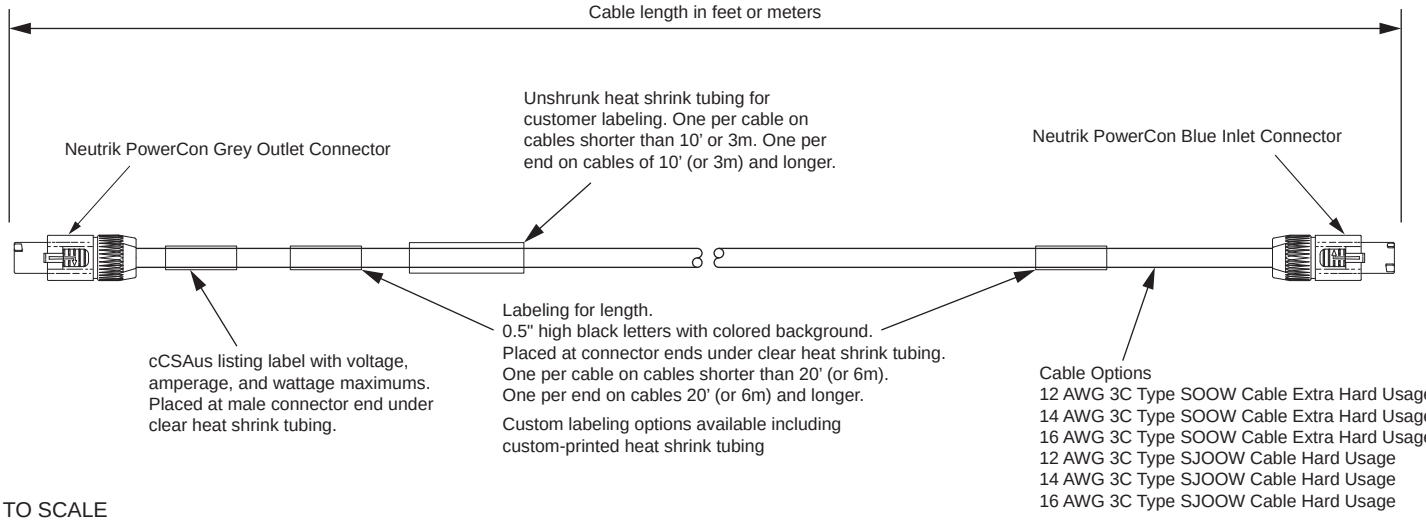
Extra Hard Usage – Pro Cables 6-circuit ProCable and Starcable assemblies, plus standard assemblies constructed with S Type cables are Listed for Extra Hard Usage. NEC Article 520 requires the use of Extra Hard Usage cables in Theaters, Audience Areas of Motion Picture and Television Studios, Performance Areas,and Similar Locations.

Hard Usage – Pro Cables standard assemblies constructed with SJ Type cables are Listed for Hard Usage. NEC Article 520 requires the use of Hard Usage cables in Motion Picture and Television Studios and Similar Locations.

© 2022, TMB. All rights reserved. Effective: 14 February 2022
Specifications are subject to change without notice. This information supersedes all previously supplied information.

Pro Cables™

POWERCON™ EXTENSION **ASSEMBLIES**



NOT TO SCALE

Example Code

Z	SJO123	NAC	FT	10	L

Z	Designates cable assembly

SO123	12 AWG 3C Type SOOW Cable Extra Hard Usage
SO143	14 AWG 3C Type SOOW Cable Extra Hard Usage
SO163	16 AWG 3C Type SOOW Cable Extra Hard Usage
SJO123	12 AWG 3C Type SJOOW Cable Hard Usage
SJO143	14 AWG 3C Type SJOOW Cable Hard Usage
SJO163	16 AWG 3C Type SJOOW Cable Hard Usage

White cable available by custom order

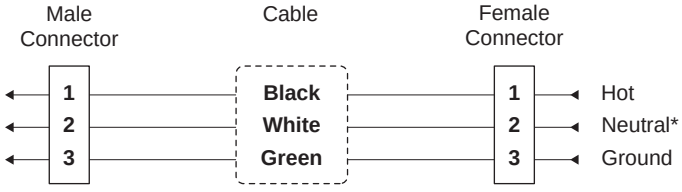
NAC	Neutrik PowerCon® 20A Connectors

	Inlet to outlet, blue to grey
A	Outlet to outlet, grey to grey
B	Inlet to inlet, blue to blue
FT	Blue inlet to bare end
MT	Grey outlet to bare end

10	Length of cable in feet
10M	Length of cable in meters

	Skip this section unless ordering custom labeling
L	Custom labeling per spec

ELECTRICAL SCHEMATIC



* Neutral or 2nd Hot in 208/240V Systems

ELECTRICAL RATING

12 AWG - 20A, 250 VAC, 2-Pole, 3-Wire
14 AWG - 15A, 250 VAC, 2-Pole, 3-Wire
16 AWG - 10A, 250 VAC, 2-Pole, 3-Wire

Los Angeles +1 818.899.8818
London +44 (0)20.8574.9700
New York +1 201.896.8600
tmb
tmbprocables.com
Toronto +1 519.538.0888
Beijing +86 10.8492.1587
Riga +37 16.868.8955

© 2022, TMB. All rights reserved. Effective: 14 February 2022
Specifications are subject to change without notice. This information supersedes all previously supplied information.

sales@tmb.com