Pro Cables™

TWIST-LOCK™ EXTENSION **ASSEMBLIES**
NEMA 3-, 4-, 5-CONDUCTOR

Description
Rugged, dependable, and highest quality Twist-Lock Extension Assemblies feature the attention to detail that puts Pro Cables cable assemblies in a class of their own. Available in SO and SJO versions, plus a wide selection of adapter cables, Pro Cables Twist-Lock 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
- 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
- Black cable color is ideal for stage, set, or studio lighting applications.
- Custom labels available for personalization and security. Standard and custom configurations available.

Applications
Portable uses of all kinds: Concerts; Touring; Theatre; Motion Pictures; Television; Military; Mining; Manufacturing.

Available 3-Conductor Cables
10 AWG 3C Type SOOW Extra Hard Usage
12 AWG 3C Type SOOW Extra Hard Usage
14 AWG 3C Type SOOW Extra Hard Usage
10 AWG 3C Type SJOOW Hard Usage
12 AWG 3C Type SJOOW Hard Usage
14 AWG 3C Type SJOOW Hard Usage

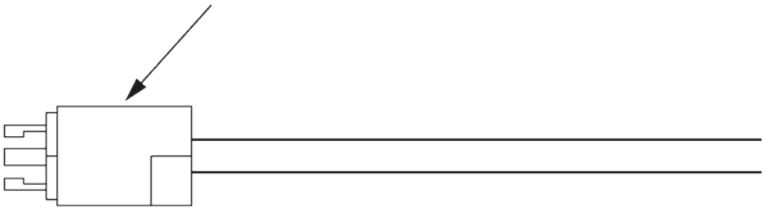
Available 4-Conductor Cables
8 AWG 4C Type SOOW Extra Hard Usage
10 AWG 4C Type SOOW Extra Hard Usage
12 AWG 4C Type SOOW Extra Hard Usage
10 AWG 4C Type SJOOW Hard Usage
12 AWG 4C Type SJOOW Hard Usage

Available 5-Conductor Cables
8 AWG 5C Type SOOW Extra Hard Usage
10 AWG 5C Type SOOW Extra Hard Usage
12 AWG 5C Type SOOW Extra Hard Usage

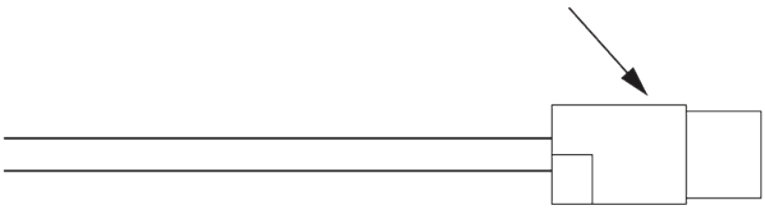
Available Connectors
Hubbell™ NEMA Twist-Lock
3-Conductor L5-15 / L5-20 / L5-30 / L6-15 / L6-20 / L6-30
4-Conductor L14-20 / L14-30 / L15-20 / L15-30
5-Conductor L16-20 / L16-30 / L21-20 / L21-30

Certifications
c SP® us Unique to TMB

Connector Options—Male
Hubbell NEMA Twist-Lock® Connector



Connector Options—Female
Hubbell NEMA Twist-Lock® 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

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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
WSO84	8	4	133/29	0.060	1.52	0.945	24	580	35
WSO85	8	5	133/29	0.060	1.52	1.030	26.16	700	28
WSO103	10	3	104/30	0.045	1.14	0.66	16.76	289	30
WSO104	10	4	104/30	0.045	1.14	0.715	18.16	351	25
WSO105	10	5	104/30	0.045	1.14	0.77	19.56	423	20
WSO123	12	3	65/30	0.045	1.14	0.6	15.1	223	25
WSO124	12	4	65/30	0.045	1.14	0.65	16.5	276	20
WSO125	12	5	65/30	0.045	1.14	0.715	18.16	326	16
WSO143	14	3	41/30	0.045	1.14	0.535	13.59	161	18

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
WSJO103	10	3	104/30	0.045	1.14	0.58	14.73	236	30
WSJO104	10	4	104/30	0.045	1.14	0.655	16.64	296	25
WSJO123	12	3	65/30	0.030	0.76	0.43	10.9	131	25
WSJO124	12	4	65/30	0.030	0.76	0.475	12.07	177	20
WSJO143	14	3	41/30	0.030	0.76	0.36	9.2	88	18

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

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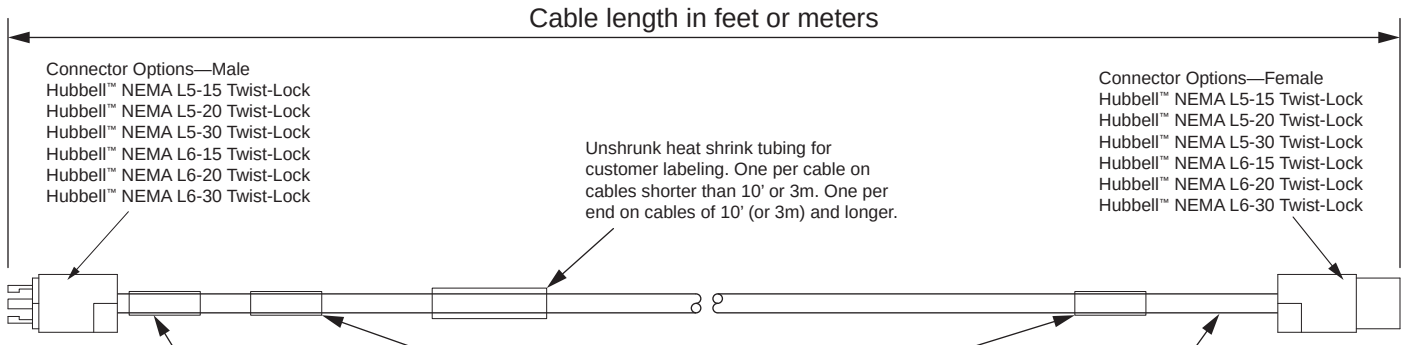
TWIST-LOCK EXTENSION **ASSEMBLIES**
NEMA 3-CONDUCTOR



NOT TO SCALE

Example Code

Z	SJO123	L620	10	L

Z	Designates cable assembly

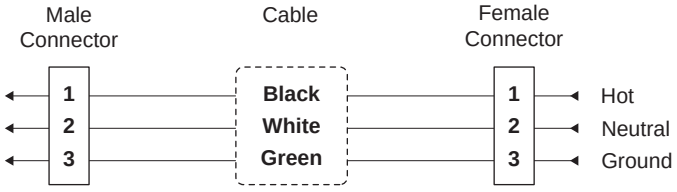
SO103	10 AWG 3C Type SOOW Cable Extra Hard Usage
SO123	12 AWG 3C Type SOOW Cable Extra Hard Usage
SO143	14 AWG 3C Type SOOW Cable Extra Hard Usage
SJO103	10 AWG 3C Type SJOOW Cable Hard Usage
SJO123	12 AWG 3C Type SJOOW Cable Hard Usage
SJO143	14 AWG 3C Type SJOOW Cable Hard Usage

L515	Hubbell™ NEMA L5-15 Twist-Lock Connectors
L520	Hubbell™ NEMA L5-20 Twist-Lock Connectors
L530	Hubbell™ NEMA L5-30 Twist-Lock Connectors
L615	Hubbell™ NEMA L5-15 Twist-Lock Connectors
L620	Hubbell™ NEMA L5-20 Twist-Lock Connectors
L630	Hubbell™ NEMA L5-30 Twist-Lock Connectors

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



ELECTRICAL RATING

14 AWG with L5-15 Connectors – 15A, 125 VAC, 2-Pole, 3-Wire
12 AWG with L5-20 Connectors – 20A, 125 VAC, 2-Pole, 3-Wire
10 AWG with L5-30 Connectors – 25A, 250 VAC, 2-Pole, 3-Wire
8 AWG with L5-30 Connectors – 30A, 250 VAC, 2-Pole, 3-Wire
14 AWG with L6-15 Connectors – 15A, 250 VAC, 2-Pole, 3-Wire
12 AWG with L6-20 Connectors – 20A, 250 VAC, 2-Pole, 3-Wire
10 AWG with L6-30 Connectors – 25A, 250 VAC, 2-Pole, 3-Wire
8 AWG with L6-30 Connectors – 30A, 250 VAC, 2-Pole, 3-Wire

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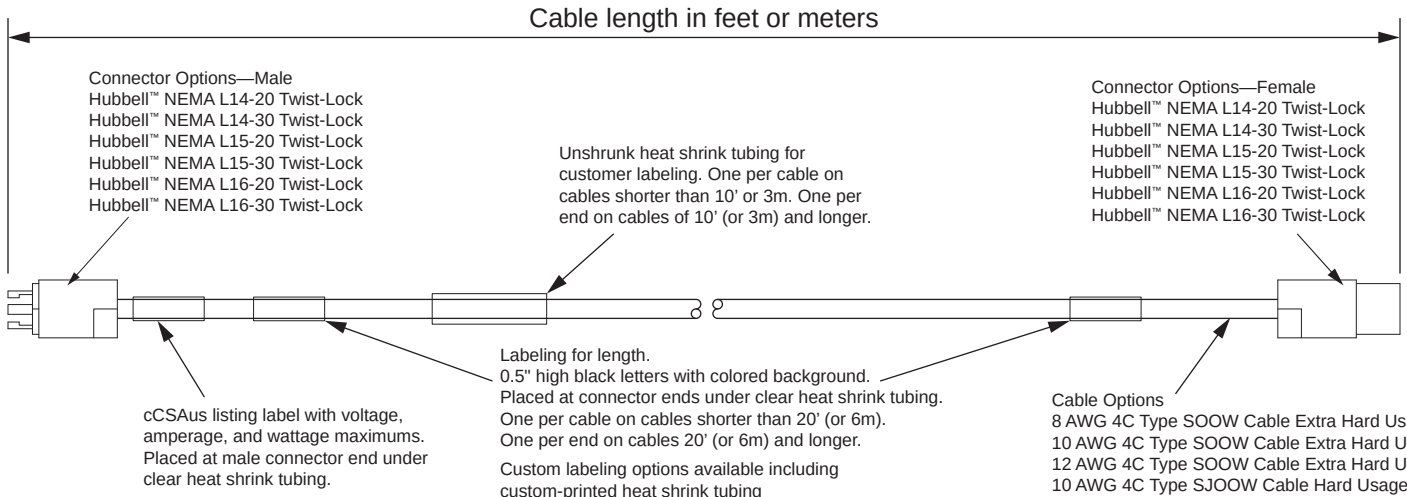
TWIST-LOCK EXTENSION **ASSEMBLIES**
NEMA 4-CONDUCTOR



NOT TO SCALE

Example Code

Z	SJO124	L1420	10	L

Z	Designates cable assembly

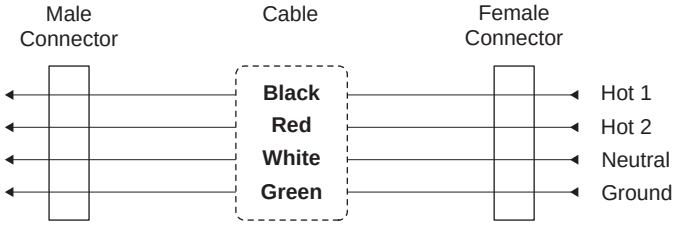
SO84	8 AWG 4C Type SOOW Cable Extra Hard Usage
SO104	10 AWG 4C Type SOOW Cable Extra Hard Usage
SO124	12 AWG 4C Type SOOW Cable Extra Hard Usage
SJO104	10 AWG 4C Type SJOOW Cable Hard Usage
SJO124	12 AWG 4C Type SJOOW Cable Hard Usage

L1420	Hubbell™ NEMA L14-20 Twist-Lock Connectors
L1430	Hubbell™ NEMA L14-30 Twist-Lock Connectors
L1520	Hubbell™ NEMA L15-20 Twist-Lock Connectors
L1530	Hubbell™ NEMA L15-30 Twist-Lock Connectors
L1620	Hubbell™ NEMA L16-20 Twist-Lock Connectors
L1630	Hubbell™ NEMA L16-30 Twist-Lock Connectors

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



ELECTRICAL RATING

12 AWG with L14-20 Connectors - 20A, 250 VAC, 3-Pole, 4-Wire
10 AWG with L14-30 Connectors - 25A, 250 VAC, 3-Pole, 4-Wire
8 AWG with L14-30 Connectors - 30A, 250 VAC, 3-Pole, 4-Wire
12 AWG with L15-20 Connectors - 20A, 250 VAC, 3-Pole, 4-Wire
10 AWG with L15-30 Connectors - 25A, 250 VAC, 3-Pole, 4-Wire
8 AWG with L15-30 Connectors - 30A, 250 VAC, 3-Pole, 4-Wire
12 AWG with L16-20 Connectors - 20A, 480 VAC, 3-Pole, 4-Wire*
10 AWG with L16-30 Connectors - 25A, 480 VAC, 3-Pole, 4-Wire*
8 AWG with L16-30 Connectors - 30A, 480 VAC, 3-Pole, 4-Wire*
* L16 Assemblies wired with SJOOW cable are derated to 300V

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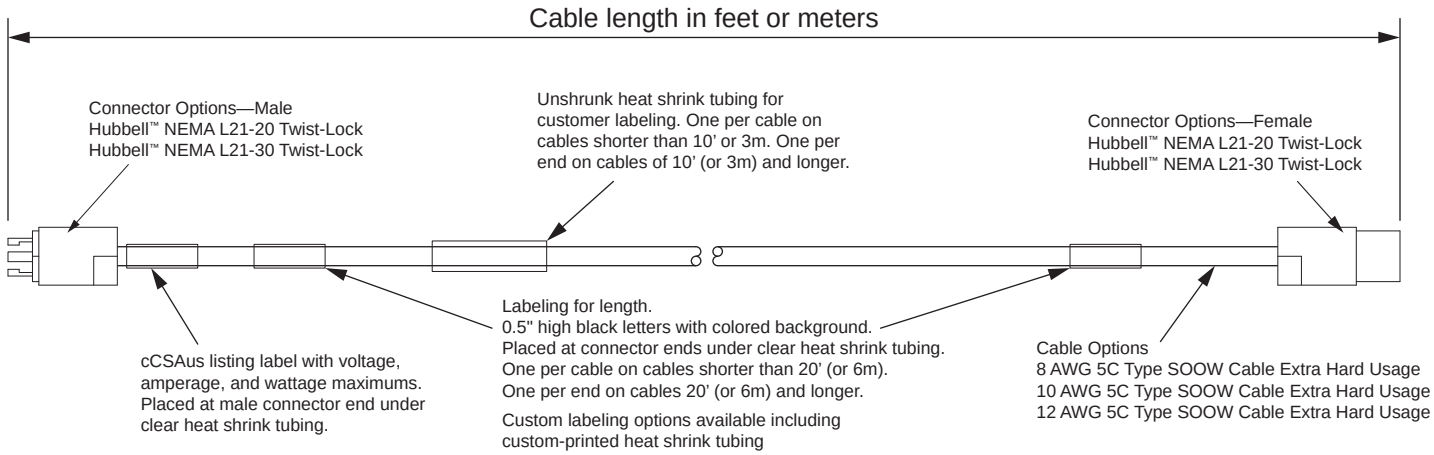
TWIST-LOCK EXTENSION **ASSEMBLIES**
NEMA 5-CONDUCTOR



NOT TO SCALE

Example Code

Z	SO125	L2120	10	L

Z	Designates cable assembly

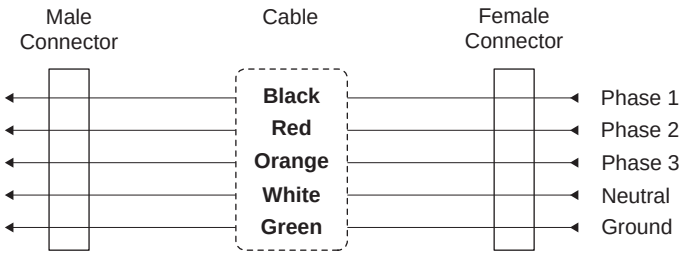
	Skip this section unless ordering custom labeling
L	Custom labeling per spec

SO85	8 AWG 5C Type SOOW Cable Extra Hard Usage
SO105	10 AWG 5C Type SOOW Cable Extra Hard Usage
SO125	12 AWG 5C Type SOOW Cable Extra Hard Usage

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

L2120	Hubbell™ NEMA L21-20 Twist-Lock Connectors
L2130	Hubbell™ NEMA L21-30 Twist-Lock Connectors

ELECTRICAL SCHEMATIC



ELECTRICAL RATING

12 AWG with L21-30 Connectors - 20A, 208 VAC, 4-Pole, 5-Wire
10 AWG with L21-30 Connectors - 25A, 208 VAC, 4-Pole, 5-Wire
8 AWG with L21-30 Connectors - 30A, 208 VAC, 4-Pole, 5-Wire

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