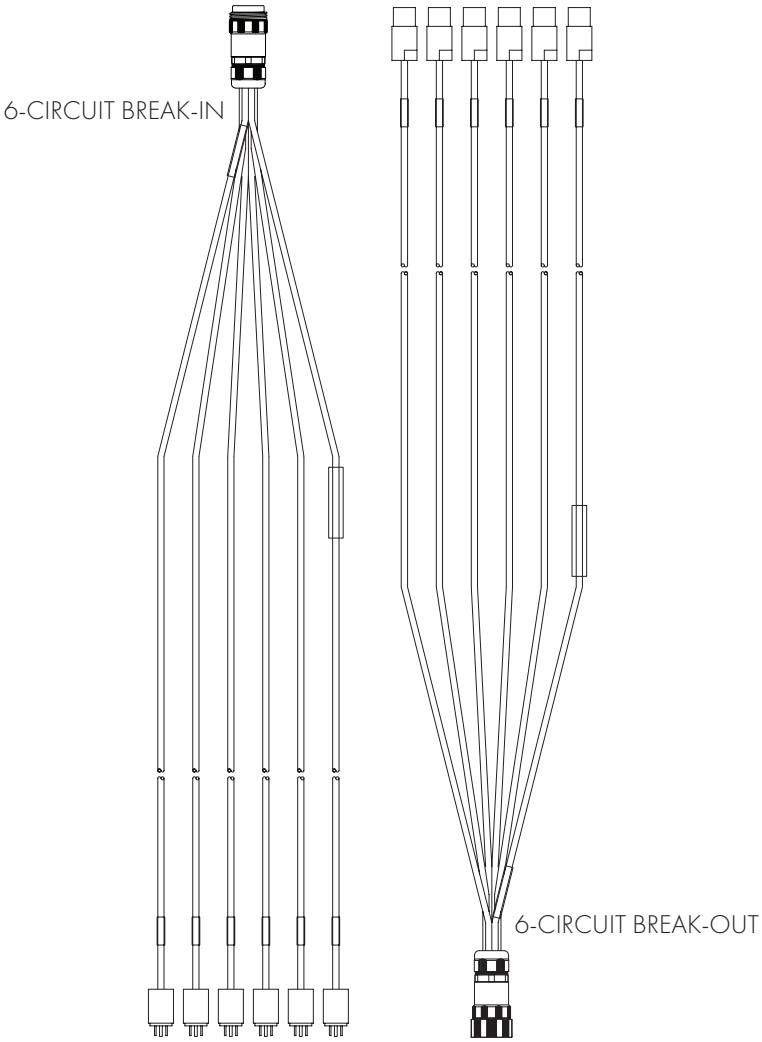
# Pro Cables™

## 6-CIRCUIT BREAK-IN/BREAK-OUT MULTICABLE **ASSEMBLIES**




### Description

Featuring ProSeries® and KC™ 19-pin connectors, a comprehensive line of Break-in/Break-out assemblies are available with a variety of connector options and rugged 12 AWG C3 Type SJOOW cable hard usage. Highly customizable, Pro Cables Break-in/Break-out assemblies are in a class of their own.

### Features

- Expertly constructed and clearly labeled for reliable, easy use.
- Available in staggered, straight or custom configurations, built to your specs as required
- Unique to TMB, our Pro Cables assemblies made in North America are cCSAus Listed for hard usage, fully compliant with NEC codes for use in stage, studio and event applications

### Applications

Concert tours; Theatre; Motion Pictures; Television production

### Available Cables

12 AWG 3C Type SJOOW Hard Usage
14 AWG 3C Type SJOOW Hard Usage
16 AWG 3C Type SJOOW Hard Usage

### Available 19-Pin Connectors

ProSeries® 19-Pin
KC™ 19-Pin

### Available Circuit Connectors

Hubbell™ NEMA L5-20 20A Twist-Lock–All Black
Hubbell™ NEMA L6-20 20A Twist-Lock–All Black
Hubbell™ NEMA 5-15 15A Edison–All Black
Hubbell™ NEMA 5-20 20A Edison–All Black
Neutrik TRUE1 TOP™
Neutrik PowerCon™
ProPin® 20A Stage Pin

### Certifications

C SA US Unique to TMB

## 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
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### Type SJOOW Cable

Type SJOOW cables are widely-used, general-purpose portable power cables, available under various brands from various manufacturers. The 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. SJOOW Cables are all UL Listed for hard usage.

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.



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# Pro Cables™

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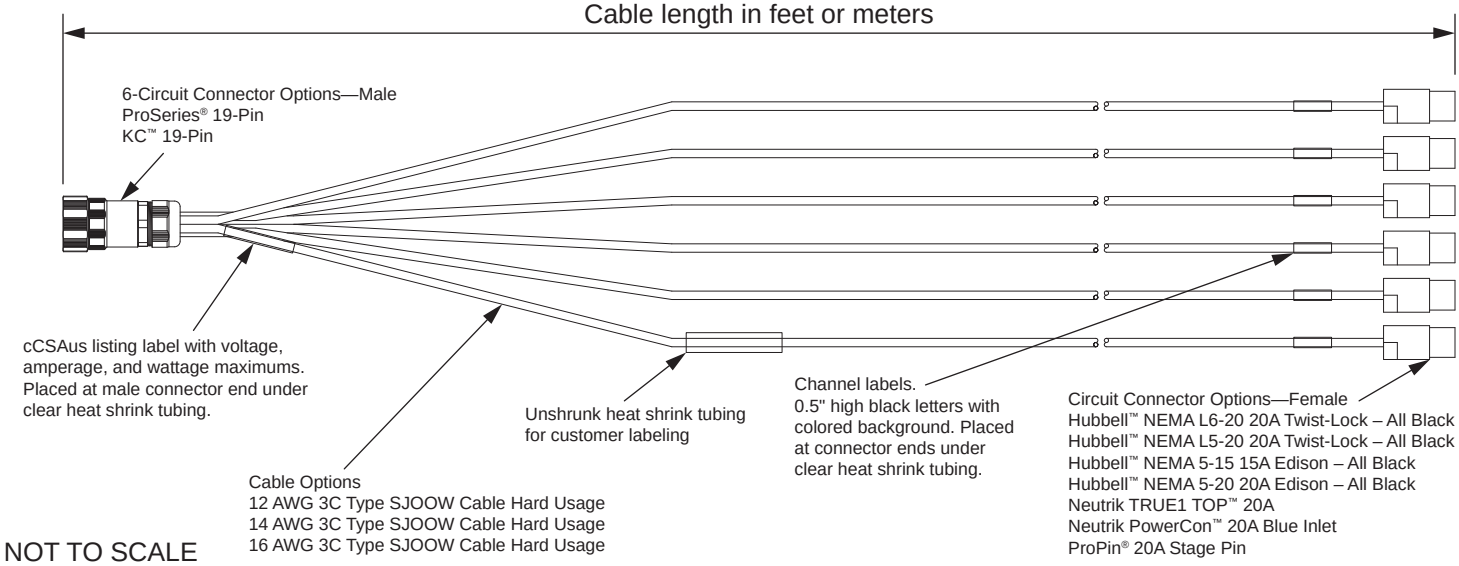



NOT TO SCALE

### Example Code

| Z | BO6 | 4 | PS | PB | ST | 6 |
|---|---|---|---|---|---|---|

| | |
|---|---|
| Z | Designates cable assembly |

| | |
|---|---|
| BO6 | 6-Circuit Break-out |

| | |
|---|---|
| | 12 AWG 3C Type SJOOW Cable Hard Usage |
| 4 | 14 AWG 3C Type SJOOW Cable Hard Usage |
| 6 | 16 AWG 3C Type SJOOW Cable Hard Usage |

| | |
|---|---|
| PS | ProSeries® Connector |
| KC | KC™ Connector |

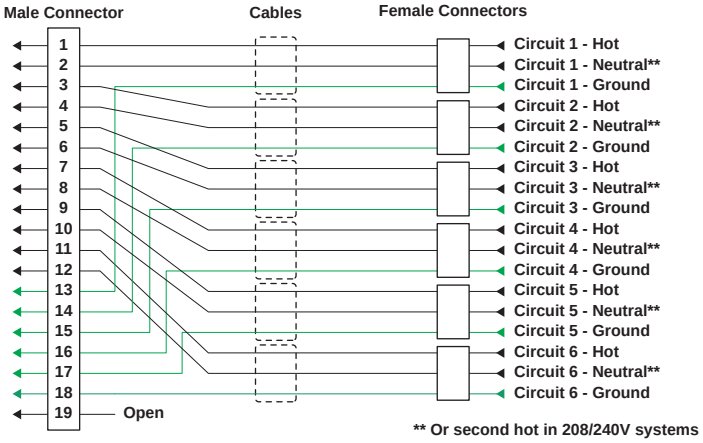
| | |
|---|---|
| L620 | Hubbell™ NEMA L6-20 20A Twist-Lock Connectors |
| L520 | Hubbell™ NEMA L5-20 20A Twist-Lock Connectors |
| PB | Hubbell™ NEMA 5-15 15A Edison Connectors |
| 520 | Hubbell™ NEMA 5-20 20A Edison Connectors |
| NAT | Neutrik TRUE1 TOP™ 20A Connectors |
| NAC | Neutrik PowerCon™ 20A Connectors |
| SP | ProPin® 20A Stage Pin Connectors |

| | |
|---|---|
| | All tails same length |
| ST | Staggered Tails |

For staggered tails, the length is the longest end.
Staggered length spacing to be specified at time of order.

| | |
|---|---|
| 6 | Length of cables in feet |
| 1M | Length of cables in meters |

### ELECTRICAL SCHEMATIC




** Or second hot in 208/240V systems

### ELECTRICAL RATING

12 AWG with 5-20, L5-20, or Stage Pin connectors – 20A, 125 VAC Max*, 2-Pole, 3-Wire
12 AWG with L6-20, PowerCon, or True1 connectors – 20A, 250 VAC Max*, 2-Pole, 3-Wire
12 AWG with 5-15 connectors – 15A, 125 VAC Max*, 2-Pole, 3-Wire
14 AWG with 5-20, L5-20, or Stage Pin connectors – 15A, 125 VAC Max*, 2-Pole, 3-Wire
14 AWG with L6-20, PowerCon, or True1 connectors – 15A, 250 VAC Max*, 2-Pole, 3-Wire
16 AWG with 5-20, L5-20, or Stage Pin connectors – 10A, 125 VAC Max*, 2-Pole, 3-Wire
16 AWG with L6-20, PowerCon, or True1 connectors – 10A, 250 VAC Max*, 2-Pole, 3-Wire

* Maximum per NEC Table 520-44 (50% diversity of load and maximum rating of overcurrent device)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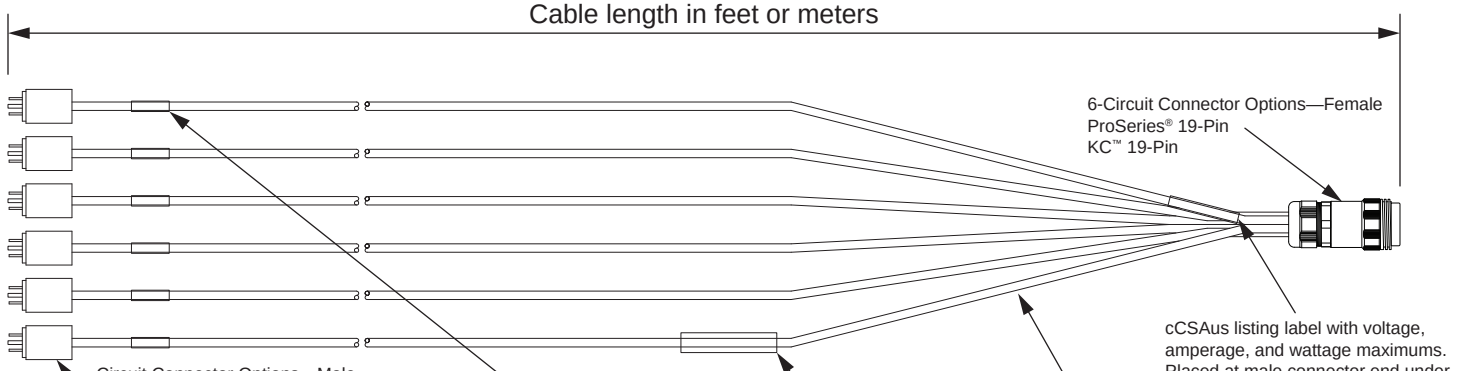
# 6-CIRCUIT BREAK-IN MULTICABLE **ASSEMBLIES**




NOT TO SCALE

## Example Code

| Z | BI6 | 4 | PS | PB | ST | 6 |
|---|---|---|---|---|---|---|

| | |
|---|---|
| Z | Designates cable assembly |

| | |
|---|---|
| BI6 | 6-Circuit Break-in |

| | |
|---|---|
| | 12 AWG 3C Type SJOOW Cable Hard Usage |
| 4 | 14 AWG 3C Type SJOOW Cable Hard Usage |
| 6 | 16 AWG 3C Type SJOOW Cable Hard Usage |

| | |
|---|---|
| PS | ProSeries® Connector |
| KC | KC™ Connector |

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| | All tails same length |
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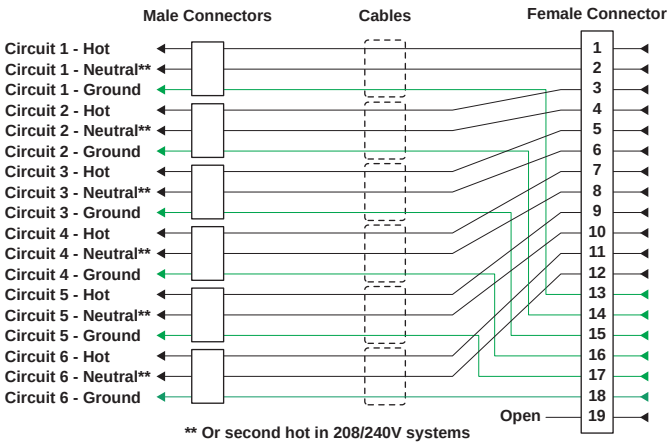


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## ELECTRICAL RATING

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12 AWG with L6-20, PowerCon, or True1 connectors – 20A, 250 VAC Max*, 2-Pole, 3-Wire
12 AWG with 5-15 connectors – 15A, 125 VAC Max*, 2-Pole, 3-Wire
14 AWG with 5-20, L5-20, or Stage Pin connectors – 15A, 125 VAC Max*, 2-Pole, 3-Wire
14 AWG with L6-20, PowerCon, or True1 connectors – 15A, 250 VAC Max*, 2-Pole, 3-Wire
16 AWG with 5-20, L5-20, or Stage Pin connectors – 10A, 125 VAC Max*, 2-Pole, 3-Wire
16 AWG with L6-20, PowerCon, or True1 connectors – 10A, 250 VAC Max*, 2-Pole, 3-Wire

* Maximum per NEC Table 520-44 (50% diversity of load and maximum rating of overcurrent device)


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