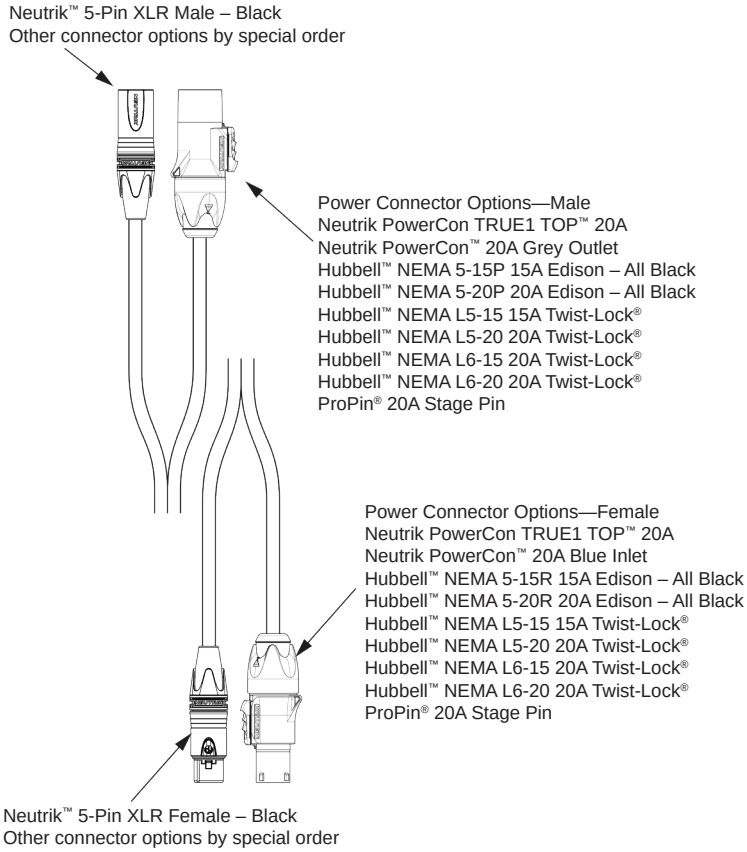
Pro Cables™

POWERDATA **ASSEMBLIES**
ProPlex® DMX + 14 AWG



Description
The FIRST and ONLY Listed combination Data + Power cables! Reduce the chaos and enjoy fewer tangles! This single jacket cable is the next evolution in power/data connections that eliminates the need for painstaking banding that separates over time. Specify pigtail lengths to perfect your unique system connections and simplify setup.

Features
- Totally unique! Built to a new, collaboratively developed UL standard.
- Convenience + Safety + Reduced Liability!
- Meets NEC 520 and 530 requirements for extra-hard duty usage!
- Previously unavailable in combined data/power cables
- Flexible, Durable, Outdoor rated!
- Suitable for permanent installation or long-term portable use
- Famous ProPlex handling, reliability, data integrity!

Applications
Theatre, Touring; Motion Picture; Television Production; Installation

Available Cable
ProPlex® DMX PowerData

Available Power Connectors Male End / Female End
Neutrik PowerCon TRUE1 TOP™ 20A
Neutrik PowerCon™ 20A
Hubbell™ NEMA 5-15 15A Edison
Hubbell™ NEMA 5-20 20A Edison
Hubbell™ NEMA L5-15 15A Twist-Lock
Hubbell™ NEMA L5-20 20A Twist-Lock
Hubbell™ NEMA L6-15 15A Twist-Lock
Hubbell™ NEMA L6-20 20A Twist-Lock
ProPin® 20A Stage Pin

Available Data Connectors
Neutrik™ 5-Pin Black XLR
Other connector options by special order

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 | Toronto +1 519.538.0888 | Beijing +86 10.8492.1587 | Riga +371 6389 8886

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Specifications are subject to change without notice. This information supersedes all previously supplied information.

ProPlex DMX PowerData™ Mains Cable – PC222T143

Specifications			
Data Assembly	Conductors	Material	Tinned annealed copper
		Size and Stranding	22 AWG, 19 strands 34 AWG
	Insulation	Material	Cellular polyethylene
		Wall Thickness	0.023” nom.
		Diameter	0.078” nom.
	Assembly	Color Code	Black, white
		Lay Length	2 1/2” nom. left hand
	Shields	Type	Composite foil and copper braid
		Foil material	Aluminum/polyester tape, aluminum side out
		Copper braid	Tinned annealed copper, 65% coverage
		Effective Shield Coverage	100%
	Jacket	Material	Polyvinyl chloride
		Wall Thickness	0.030” nom.
		Diameter	0.265” nom
		Color	Black
	Electrical	Capacitance	13 pF/ft. Between conductors
			21 pF/ft. Conductor to shield
		Characteristic impedance	110 Ohms nom.
		Resistance at 20°C	15 Ohms/1000 ft.
		Temperature Rating	60°C max.
Power Assembly	Conductors	Material	Bare annealed copper
		Size and Stranding	14 AWG, 41 strands 30 AWG
	Insulation	Material	Polyvinyl chloride
		Wall Thickness	0.030” nom.
		Diameter	0.136” nom.
	Assembly	Color Code	Black, white, green
		Lay Length	3” nom. left hand
		Separator	0.001” clear polyester tape, 25% nom. overlap.
	Jacket	Material	Polyvinyl chloride
		Wall Thickness	0.030” nom.
		Diameter	0.365” nom
		Marking	POWER UNIT 3/C 14 300 VOLTS, printed in white ink
Overall Assembly	Assembly	Lay Length	10” nom. left hand
		Fillers	Fibrilated polyethylene as required
		Separator	0.001” clear polyester tape applied helically with 20% overlap
	Jacket	Material	Polyvinyl chloride
		Wall Thickness	0.080” nom.
		Diameter	0.795” nom.
		Color	Black
	Markings	Type	Surface printing in white ink
		Legend	TMB E492357 UHPS/C (UL) 105C SUN RES [mm/dd/yyyy]
	Weight		300 lb/mft [120 kg/km]

UL LISTED

RoHS Compliant

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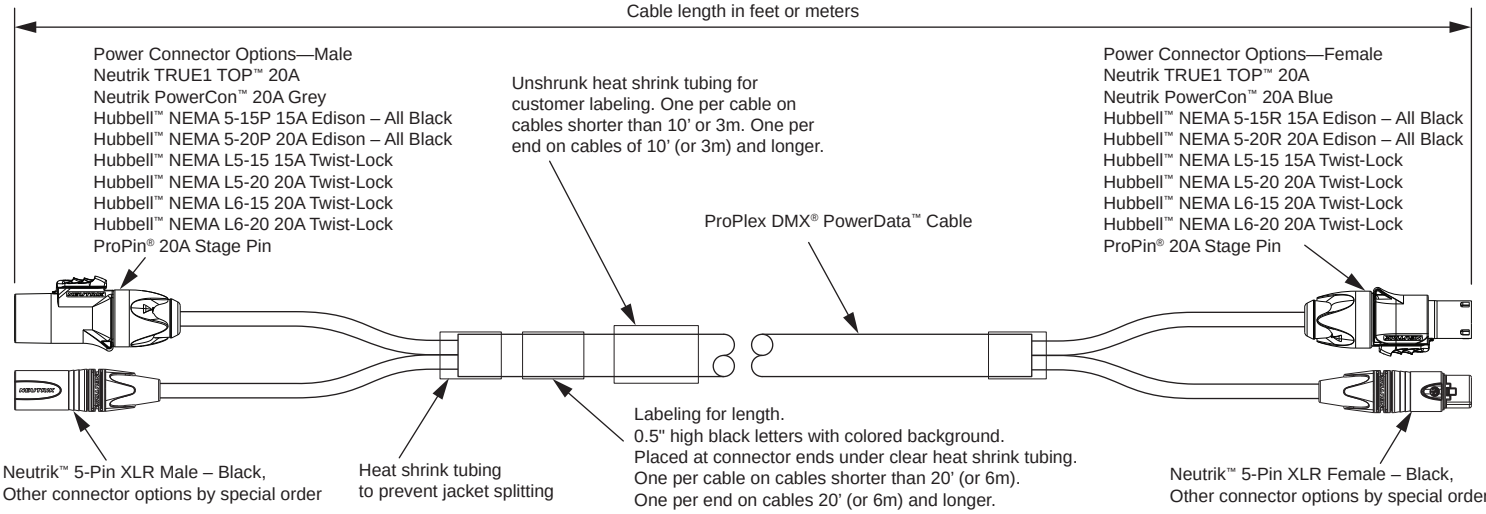


NOT TO SCALE

NOTE: Length of split ends shall be specified at time of order.

Example Code

Z	PD2	TM	TF	AB	10	L

Z	Designates cable assembly

PD2	ProPlex® DMX PowerData Cable

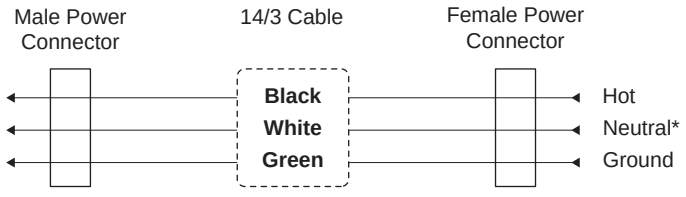
	Skip this section unless ordering custom labeling
L	Custom labeling per spec

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

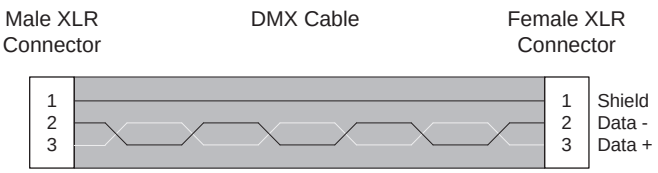
AB	Neutrik™ 5-Pin XLR connectors M-F

Male End	Female End	
TM	TF	Neutrik TRUE1 TOP™ 20A Connectors
AA	BB	Neutrik PowerCon™ 20A Connectors
PB	PB	Hubbell NEMA 5-15 15A Edison Connectors
22	22	Hubbell NEMA 5-20 20A Edison Connectors
33	33	Hubbell NEMA L5-15 15A Twist-Lock Connectors
44	44	Hubbell NEMA L5-20 20A Twist-Lock Connectors
55	55	Hubbell NEMA L6-15 15A Twist-Lock Connectors
66	66	Hubbell NEMA L6-20 20A Twist-Lock Connectors
SP	SP	ProPin 20A Stage Pin Connectors
BE	BE	Bare End

ELECTRICAL SCHEMATIC



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



ELECTRICAL RATING

5-15, 5-20, L5-15, L5-20, or Stage Pin connectors – 15A, 125 VAC Max, 2-Pole, 3-Wire
L6-15, L6-20, PowerCon, or True1 connectors – 15A, 250 VAC Max, 2-Pole, 3-Wire

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