Pro Cables™

POWERDATA **ASSEMBLIES**
ProPlex® DMX + 2.5 mm²

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.

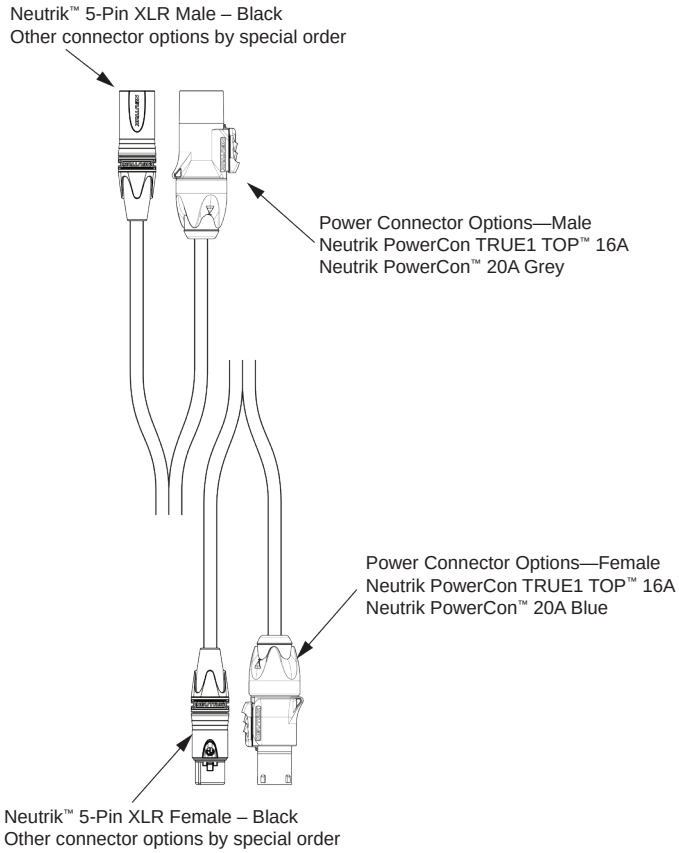
Features
- Totally unique! Built to a new, collaboratively developed UL standard.
- Convenience + Safety + Reduced Liability!
- Meets NEC 520 and 530 requirements for extra-hard duty usage!
- Previously unavailable in combined data/power cables
- Flexible, Durable, Outdoor rated!
- Suitable for permanent 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
Neutrik PowerCon TRUE1 TOP™
Neutrik PowerCon™

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 UK/EU

Los Angeles +1 818.899.8818
London +44 (0)20.8574.9700
New York +1 201.896.8600
tmbprocables.com
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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.

sales@tmb.com

ProPlex DMX PowerData™ Mains Cable – PC222T143

Specifications			
Data Assembly	Conductors	Material	Tinned annealed copper
		Size and Stranding	0.34 mm², 19 strands 0.16 mm
	Insulation	Material	Cellular polyethylene
		Wall Thickness	0.584 mm nom.
		Diameter	1.98 mm nom.
	Assembly	Colour Code	Black, white
		Lay Length	63.5 mm nom. left hand
	Shields	Type	Composite foil and copper braid
		Foil material	Aluminium/polyester tape, aluminium side out
		Copper braid	Tinned annealed copper, 65% coverage
		Effective Shield Coverage	100%
	Jacket	Material	Polyvinyl chloride
		Wall Thickness	0.762 mm nom.
		Diameter	6.73 mm nom
		Colour	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	2.5 mm², 41 strands 2.55 mm
	Insulation	Material	Polyvinyl chloride
		Wall Thickness	0.762 mm nom.
		Diameter	3.45 mm nom.
	Assembly	Colour Code	Black, white, green
		Lay Length	76.2 mm nom. left hand
		Separator	0.025 mm clear polyester tape, 25% nom. overlap.
	Jacket	Material	Polyvinyl chloride
		Wall Thickness	0.762 mm nom.
		Diameter	9.27 mm nom
		Marking	POWER UNIT 3/C 14 300 VOLTS, printed in white ink
Overall Assembly	Assembly	Lay Length	254 mm nom. left hand
		Fillers	Fibrilated polyethylene as required
		Separator	0.025 mm clear polyester tape applied helically with 20% overlap
	Jacket	Material	Polyvinyl chloride
		Wall Thickness	2.03 mm nom.
		Diameter	20.2 mm nom.
		Colour	Black
	Markings	Type	Surface printing in white ink
		Legend	TMB E492357 UHPS/C (UL) 105C SUN RES [mm/dd/yyyy]
	Weight		120 kg/km

UL LISTED

RoHS Compliant

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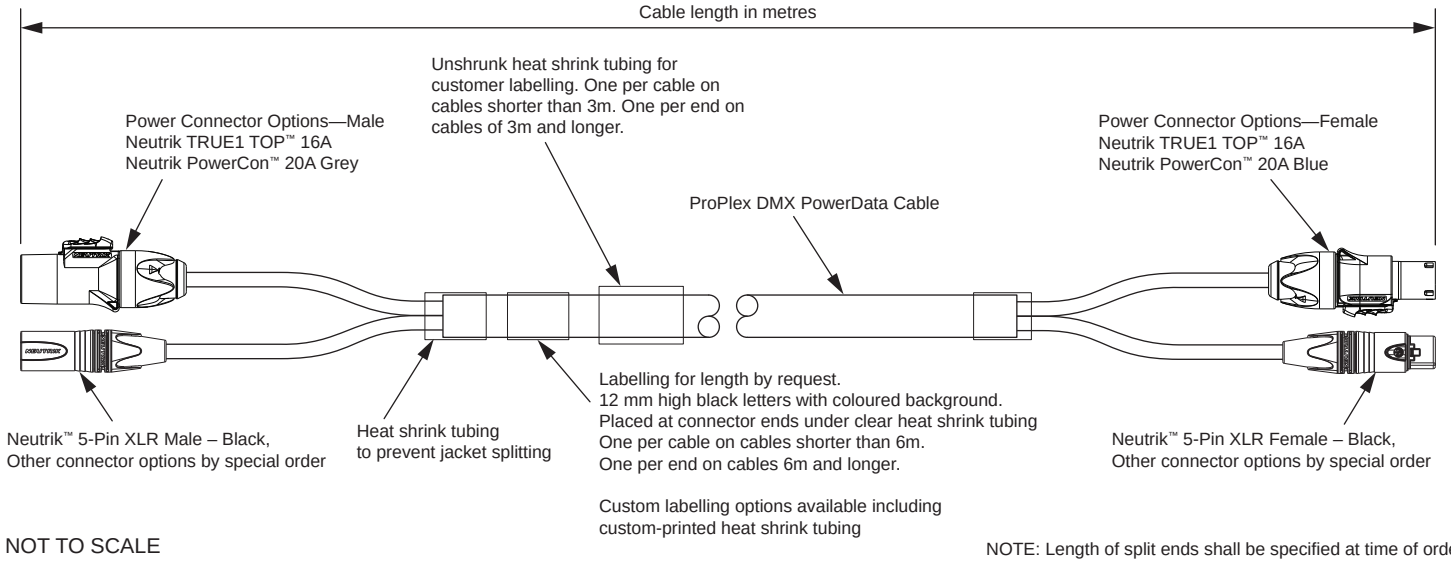


NOT TO SCALE

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

Example Code

Z	PD2	TM	TF	AB	10M	L

Z	Designates cable assembly

PD2	ProPlex® DMX PowerData Cable

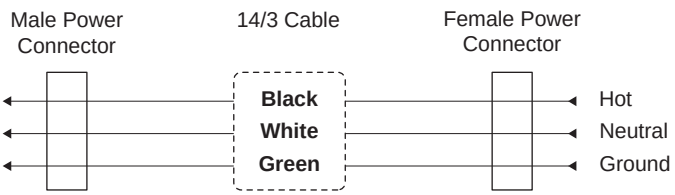
	Skip this section unless ordering custom labelling
L	Labelled for length or custom labelling

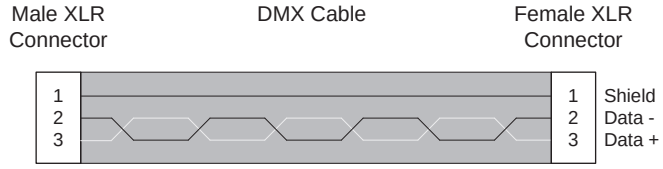
10M	Length of cable in metres

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
BE	BE	Bare End

ELECTRICAL SCHEMATIC





ELECTRICAL RATING

True1 connectors – 16A, 240 VAC Max, LN+E
PowerCon connectors – 18A, 240 VAC Max, LN+E

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