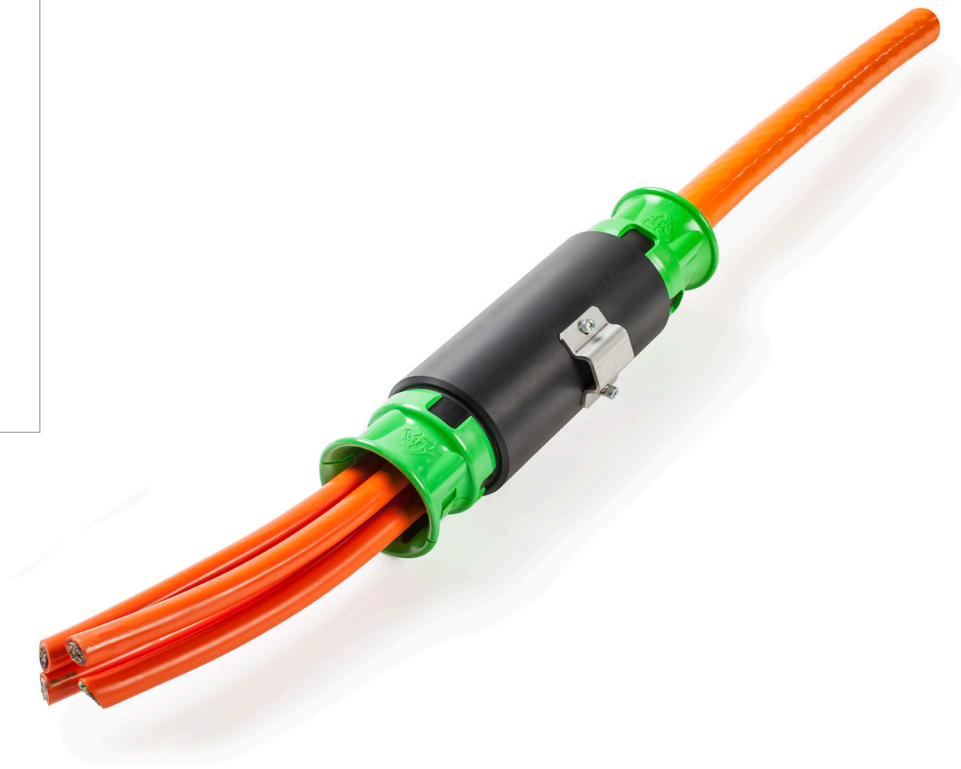




Long Life Reliability
does not cost the earth

Connection Systems



Plane Power PJS400 Junction Sleeve (400 Hz)

Designed to connect composite cable to multi core cable

www.lpa-group.com

enquiries@lpa-connect.com

+44 (01799) 512800

Configured to meet
customer requirements

Provides safe and robust connection of differing cable types

Ideal for use with cable retrievers / reelers

Low maintenance

Power supplies using composite cable can be joined to more flexible stranded cable at the connector end

Impact resistant

External components manufactured from impact resistant, thermally stable and chemically resistant polymers

Suitable for a wide range of composite and single core 400 Hz cables

Exterior replaceable handle/strain relief system

IP66 and IP67 performance achieved filled or un-filled



PJS400 Junction Sleeve
is part of the Plane Power
Aviation product range

TECHNICAL FEATURES

High conductivity silver plated crimp joints

Configurable bungs to suit industry standard cables

Supplied with connector hanging feature

Manufactured from abrasion resistant polymers



TECHNICAL DETAILS

Nominal voltage:	115/200 V, 400 Hz
Current carrying capacity (cont.):	450 A (power), 35 A (control)
Current overload:	1500 A for 1 min (power)
High-voltage test:	4000 V
Operating temperature:	-25°C to +90°C (including temperature rise)
Weight:	1.7 kg un-cabled & not filled

PJS400 JUNCTION SLEEVE PART NUMBER CONFIGURATOR

All part numbers must begin with PJS400 to indicate that it is a junction sleeve. The part number for the junction sleeve consists of four sections (A – D)

PJS400	/	A	B	C	D
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Options: A = Bung size – power input side (composite cable)
 B = Bung size – power output side (multi-core cable)
 C = Conductor size
 D = Filled or unfilled

- Select the size bung (from 'Table A') required on the power input side of the junction sleeve and enter the appropriate letter into field A. This will typically be a single hole bung to suit a composite cable.
 e.g. if the outside diameter of the cable is 37mm then select bung option B.
- Select the size bung (from 'Table A') required on the power output side of the junction sleeve and enter the appropriate letter into field B. This will typically be a multi hole bung to suit separate cables.
 e.g. for four cables, each with an outside diameter of 18.5mm then select bung option J.
- Select the size of the conductors from 'Table B' to suit the conductors of the input and output cables to be joined and enter this into field C.
 e.g. if the input cable contains 7 X 35mm² cables and the output cables are 4 x 70mm² then select option 2.
- If filler is required to pot the assembly then enter F in field D, if not, then enter NF.

The part number for the example described above would be:
 PJS400/BJ2F

Table A – Bung type

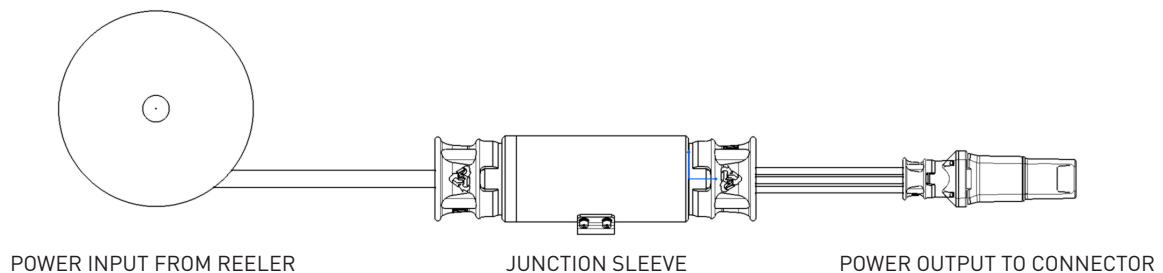
A	To Suit 1 X Ø 34.00-35.99mm cable
B	To Suit 1 X Ø 36.00-37.99mm cable
C	To Suit 1 X Ø 38.00-39.99mm cable
D	To Suit 1 X Ø 40.00-41.99mm cable
E	To Suit 1 X Ø 42.00-44.99mm cable
F	To Suit 3 X Ø 19.00-20.99mm cable
G	To Suit 3 X Ø 21.00-23.00mm cable
H	To Suit 4 X Ø 16.00-17.99mm cable
J	To Suit 4 X Ø 18.00-19.99mm cable
K	To Suit 4 X Ø 20.00-22.00mm cable
L	To Suit 4 X Ø 14.00-15.99mm + 1 X Ø9.00-10.99 cable
M	To Suit 4 X Ø 16.00-17.99mm + 1 X Ø9.00-10.99 cable
N	To Suit 4 X Ø 14.00-15.99mm + 1 X Ø13.00-14.99 cable
P	To Suit 4 X Ø 16.00-17.99mm + 1 X Ø13.00-14.99 cable

Table B – Conductor sizes (mm²)

1	A, B & C	70mm ²	Joining to	A, B & C	35mm ² to 50mm ²
	N	35mm ² to 50mm ²		N	35mm ² to 50mm ²
2	A, B & C	70mm ²	Joining to	A, B & C	70mm ²
	N	35mm ² to 50mm ²		N	70mm ²
3	A, B & C	35mm ² to 50mm ²	Joining to	A, B & C	35mm ² to 50mm ²
	N	30mm ² to 50mm ²		N	35mm ² to 50mm ²
4	A, B & C	35mm ² to 50mm ²	Joining to	A, B & C	70mm ²
	N	30mm ²		N	70mm ²

Table C – Filler

F	Filler required
NF	No filler required



LPA Connection Systems
 enquiries@lpa-connect.com
 +44 (0) 1799 512800
 www.lpa-group.com

Light & Power House
 Shire Hill
 Saffron Walden
 Essex CB11 3AQ