



Rapid basket harness replacement in 2 minutes.

400 Hz & 28VDC cable harnesses & connectors



LPA Plane Power Crocodile Cable Carrier

Quickest method of connecting ground power to the aircraft (400 Hz & 28VDC)

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Quick and easy to use

Lightweight single operator use

Low maintenance

Corrosion free Aluminum construction

Compact stowed footprint

Unique in-basket harness release system, allows rapid change of replacement harnesses

Easy basket replacement for quick maintenance

Accommodates uneven surfaces

Range of cable harness options available



Crocodile Cable Carrier is part of the Plane Power aviation product range

TECHNICAL INFORMATION

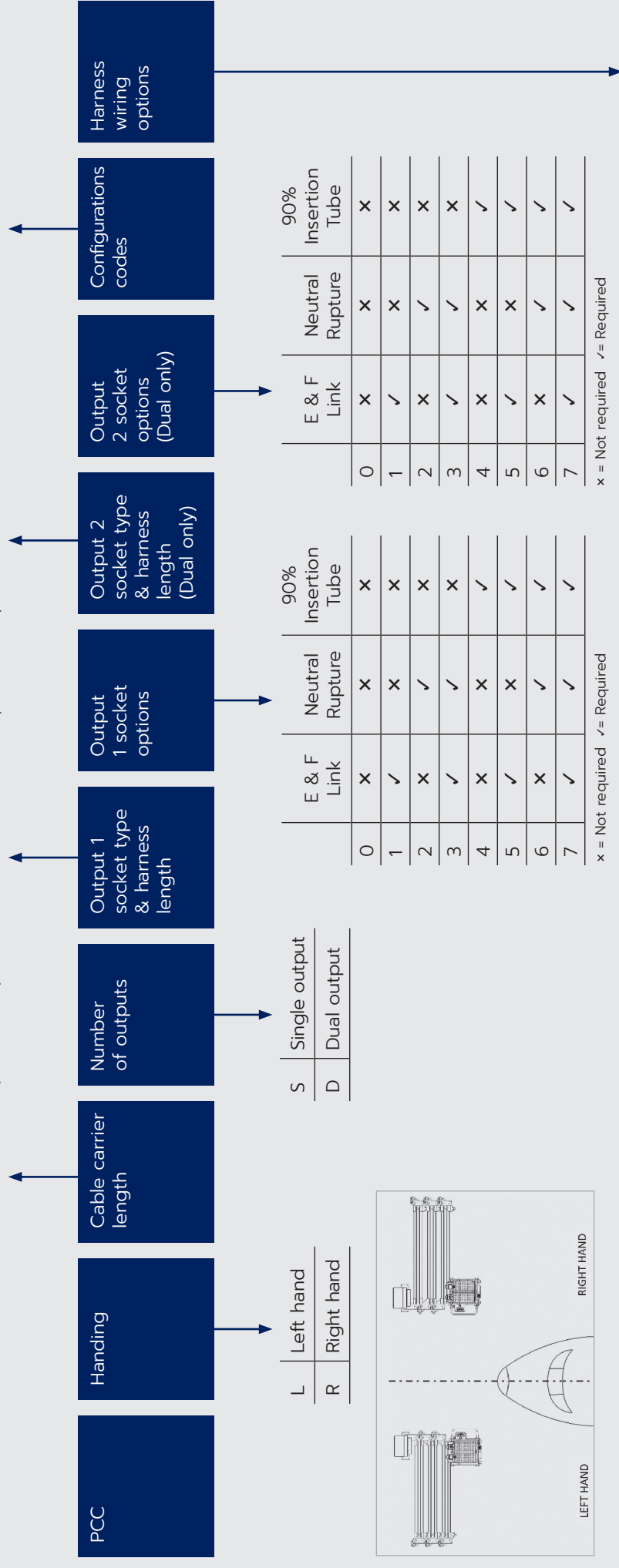
Unique articulating pivot joint integrated at intermediate joints & fixed end – allows carrier arms to move freely in response to uneven surfaces. Removes component stresses and reduces maintenance requirements.

Deployment Lengths	6m, 12m, 18m, 24m & 30m
Installation Handing	Left or right handed
Outputs	400 Hz; single & double (28V DC can also be supplied)
Beam Construction	Aluminium alloy with access covers for cable access
Knuckle Construction	Aluminium alloy with self-lubricating bushings
Knuckle Articulation	Unique articulating knuckle design accommodates uneven surfaces with a total of 6 degrees of articulation minimising component stress Change in height of +/-157mm over each 3m section
Cable Friendly Knuckle Design	Knuckle is designed around the natural bend radius of the cable and minimises flexing of the cable promoting long life
Basket Construction	Aluminium alloy with removable cable baskets
Basket Size	Single/Double -1.10m x 0.95m x 1.15m (L x W x H)
Basket Harness Length	Single or double available in 5m or 10m, other lengths available on request
Basket Harness Cable Type	4 x 70mm ² and controls
Basket Harness Release	Hard wired as standard Quick release bolted option available Connectorised harness release system, non-interlocked, power must be removed prior to removal
Basket Controls/Indicators	Per output; 400 Hz available LED indicator LED illuminated Start/On push button Stop push button Easy Access Emergency Stop (wired into control circuitry)

Wheel Type	Wheel body-polyamide 6 with two precision ball bearings Tyre-wrap-around elastic polyurethane with low rolling resistance profile Tested to ISO 2175
Wheel Diameter	150mm
Basket Brake System	Lever actioned break
Control Box Construction	Fixed end & basket end electrical enclosures manufactured from Aluminium alloy
Control Box Sealing	Fixed end & basket end sealed to IP66
Fixed End Stop Construction	Aluminum
Finish	Blue – RAL5002 or two tone grey – RAL7035/RAL7005, other colours available.
Cable Specification	Power cable 7 x 35mm ² twisted single core cable (1 off central neutral, 3 x 2 balanced phase conductors) – 450 Volt multi stranded cable to BS 638 Control cable 1.0mm ² 3GKW Earth cable, bond and PE 35mm – green/yellow stripe
Stowed Footprint	Single/Double; 6m – 3.3m [W] x 1.8m [D] 12m – 3.3m [W] x 2.2m [D] 18m – 3.3m [W] x 2.6m [D] 24m – 3.3m [W] x 3.0m [D] 30m – 3.3m [W] x 3.4m [D]
Applicable Standards	CE Marking, ISO 9001:2015, ISO/EC 17050-1, BS EN 1915-1,2,3,4, BS EN 12312-20, ISO 6858

Plane Power Crocodile Part Number Configurator

6	6-meter-long cable carrier	1	P400 Socket on 5m Harness	1	P400 Socket on 5m Harness
12	12-meter-long cable carrier	2	P400 Socket on 10m Harness	2	P400 Socket on 10m Harness
18	18-meter-long cable carrier	3	PD400 Socket on 5m Harness	3	PD400 Socket on 5m Harness
24	24-meter-long cable carrier	4	PD400 Socket on 10m Harness	4	PD400 Socket on 10m Harness
		5	P28 Socket on 5m Harness	5	P28 Socket on 5m Harness
		6	P28 Socket on 10m Harness	6	P28 Socket on 10m Harness
30	30-meter-long cable carrier	If option 5 or 6 are chosen, then the only output 1 socket option is 0 If option 5 or 6 are chosen, then the only output 2 socket option is 0			



Example Product Codes:

PCCL24D153102F – cable carrier with 2 outputs

PCCL24S3101B – cable carrier with 1 output

PCCL12S5001F – cable carrier with a single 28V output

PLANE POWER 400 HZ and 28VDC Connectors



PD400 Connector (400 Hz)

The PD400 is supplied with a detachable nose and replaceable front contacts

Features

- Detachable nose, power & control contacts which can be replaced
- IP66/67 rated (no filler required)
- Nominal voltage 115/200 V, 400 Hz
- High conductivity silver-plated copper contacts
- External components manufactured from impact, abrasion and chemically resistant thermally stable polymers
- Exterior replaceable handle/strain relief system



P400 Connector (400 Hz)

The P400 connector comes with fixed electrical contacts, providing a cost-effective connection system to power aircraft

Features

- Low maintenance
- External components manufactured from impact, abrasion and chemically resistant thermally stable polymers
- Exterior replaceable handle/strain relief system
- IP66/67 rated (no filler required)
- Nominal voltage 115/200 V, 400 Hz
- High conductivity silver-plated copper contacts



P28 Connector

Features

- Easy connection to cable
- Low maintenance
- IP66 & IP67 rated (no filler required)
- Nominal voltage 28VDC
- Suitable for a wide range of composite and single core cables
- External components manufactured from impact, abrasion and chemically resistant thermal stable polymers
- Exterior handle / strain relief system
- High conductivity silver-plated copper contacts



LPA offer a range of cable assemblies and harnesses. Offering composite, 3 single core or 5 single core cable options.

For more information on our Plane Power connector range and cable harnesses refer to our aircraft ground power supply connector brochure.



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