

# Plane Power Crocodile Cable Carrier

Quickest method of connecting 400 Hz to aircraft

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Quick and easy to use	Lightweight single operator use		
Quick and easy to use	Corrosion free Aluminum construction		
Low maintenance	Unique in-basket harness release system, allows rapid change of replacement harnesses		
Compact stowed footprint	Easy basket replacement for quick maintenance		
	Accommodates uneven surfaces		
	Range of cable harness options available		





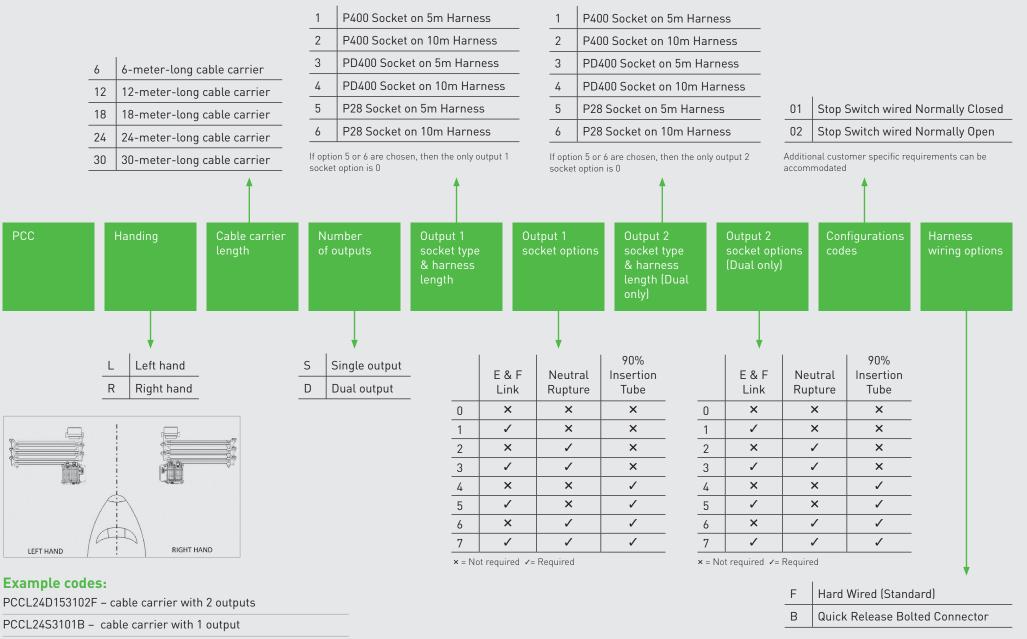
## **TECHNICAL DETAILS**

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	<b>Single/Double</b> -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 <sup>2</sup> 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	<b>Per output;</b> 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	2 x foot operated stamp jacks
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	Two tone grey RAL7035/ RAL7005 or bright yellow, other colours available
Cable Specification	Power cable 7 x 35mm <sup>2</sup> 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 <sup>2</sup> 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

# Part Number Configurator



PCCL12S5001F - cable carrier with a single 28V output

#### 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)
- External components manufactured from impact, abrasion and chemically resistant thermally stable polymers
- Exterior replaceable handle/strain relief system

#### **Technical information**

- High conductivity silver-plated copper contacts
- Micro-switch (replaceable) located in F contact provides an indication once the connector has been 90% inserted into the mating receptacle (optional feature)
- Nominal voltage: 115/200 V, 400 Hz
- Current carrying capacity: 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 (includes temperature rise)
- Mating forces: As per ISO 461-1
- Weight: 2.30 kg
- Applicable standards: ISO 461-1, ISO 461-2. BS 4G 173-1, VG 96966-1, MIL-C-7974D
- Compatibility: Mates with ISO 461-2 and MS 90362 receptacles

#### 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)

### Technical information

- High conductivity silver-plated copper contacts
- Nominal voltage: 115/200 V, 400 Hz
- Current carrying capacity: 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 (includes temperature rise)
- Mating forces: As per ISO 461-1
- Weight: 2.45 kg
- Applicable standards: ISO 461-1, ISO 461-2. BS 4G 173-1, VG 96966-1, MIL-C-7974D
- Compatibility: Mates with ISO 461-2 and MS 90362 receptacles



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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