MULTI-POLE CONNECTORS

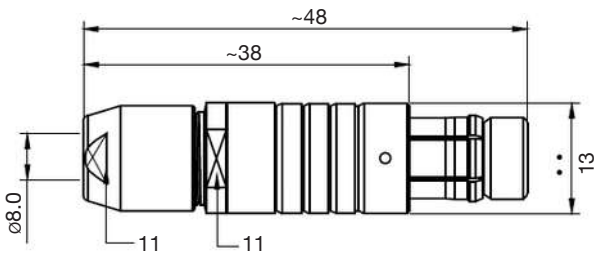
Push-Pull Connectors Cable Mounted Plug CCA3 Series
CCA3P1/A19 19 Pole

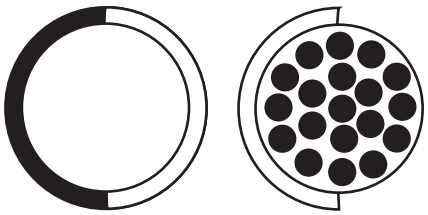
- Premium range of circular connectors
- IP68 sealed using vacuum technology (when connected and using environmental cable clamp)
- Tough, high performance interconnection solution
- Ideal for harsh and extreme environments
- Suitable for broadcasting, autosport, military, rail, marine, security, industrial and agricultural applications
- Key coded to prevent misconnection
- Will not disconnect when the cable is under load or stress
- Tested to IEC 60512-3-5a

SPECIFICATIONS	
Shell style/model	Cable mounted straight plug, male contact
Codes	Code 1
Contact type	Solder type
Contact diameter	0.5mm
Max. stranded conductor	AWG 21-22
Max diameter	0.79mm
Vtest (contact-shell)	1200V(AC) 2000V(DC)
Vtest (contact-contact)	900V(AC) 1500V(DC)
Rated current	2.5A
Rated voltage	≤250V
Mechanical operation	5000 mating cycles
Housing material	Brass (natural chrome plated) shell and collet nut, nickel plated brass latch sleeve and mid pieces
Insulator	PPS
Contacts	Brass (gold plated)
Humidity (max)	<=95% [at 60°C /140°F]
Vibration	15g [10 Hz - 2000 Hz]
Shock resistance	100g [6 ms]
Salt spray corrosion	>72 hr
Climatical category	50/175/21
Shielding (min)	75 dB (10 MHz)
Shielding (min)	40 dB (1 GHz)
IP rating	IP68 (when connected and using environmental cable clamp)

CCA3P1/A19





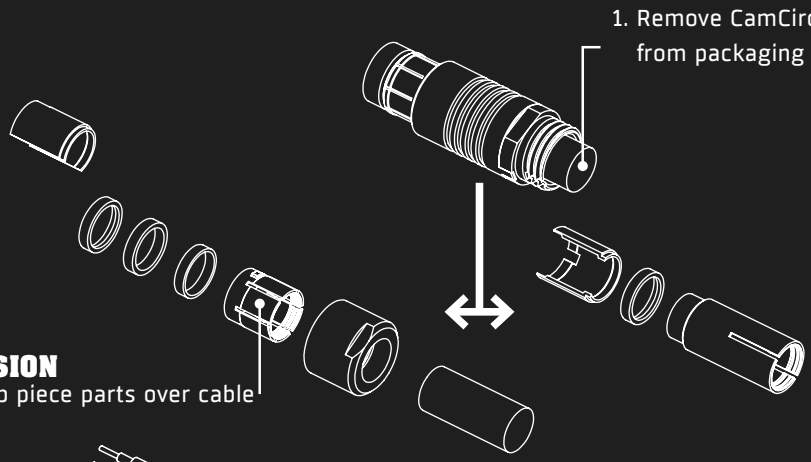


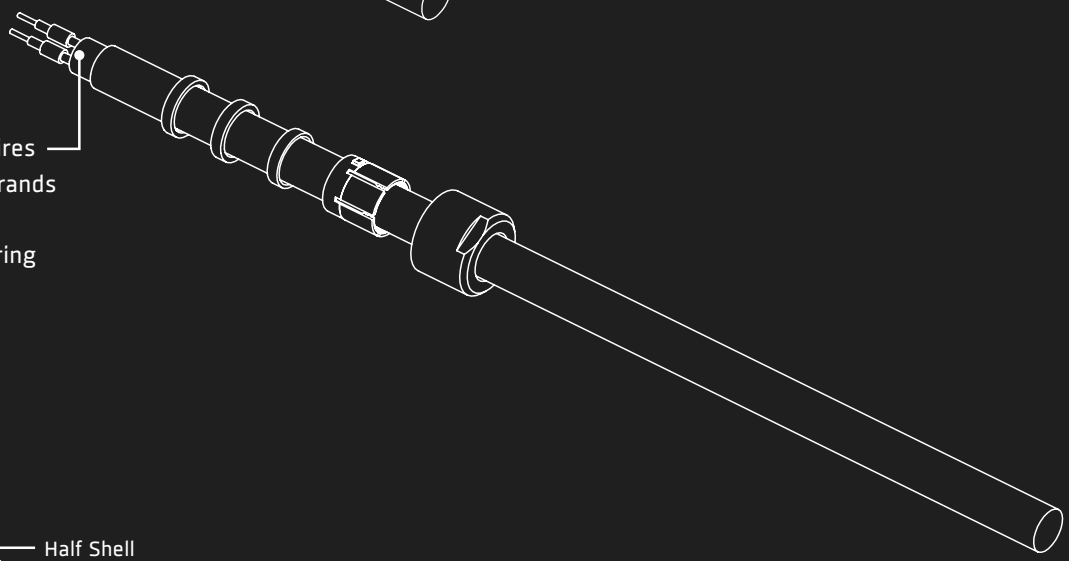
TYPE NO.	DESCRIPTION	NO. POLES	SERIES
CCA3P1/A19	Cable mounted plug	19	CCA series

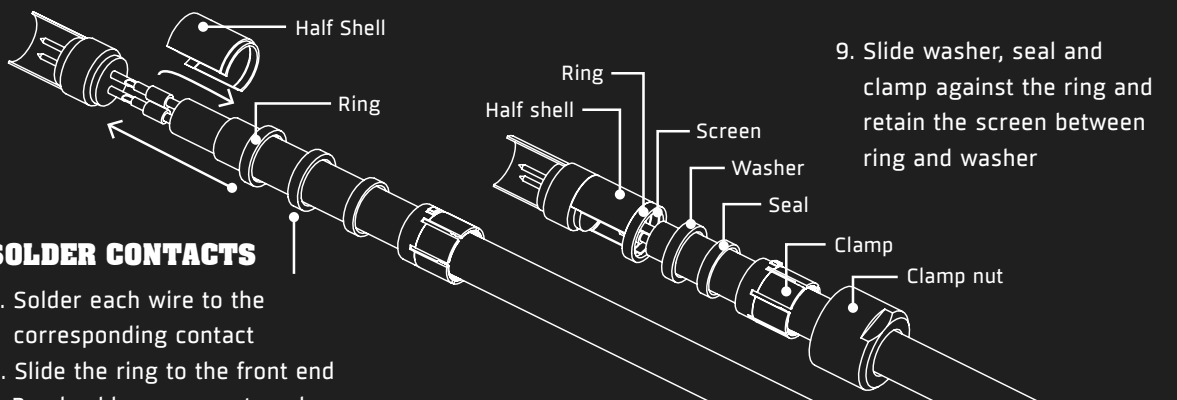
+44 (0)1638 716101
info@camdenboss.com
www.camdenboss.com

We operate a constant improvement policy, our products are subject to change without notice.

ASSEMBLY GUIDE

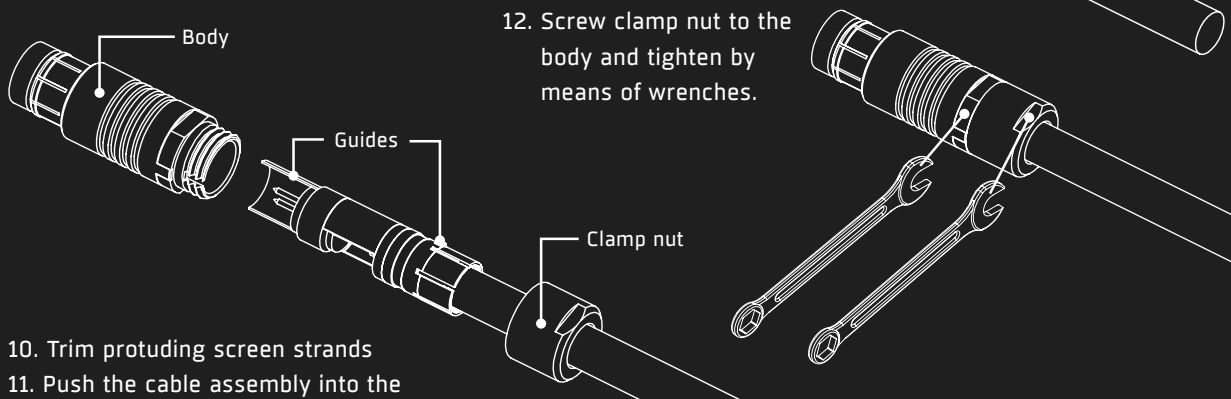






SOLDER CONTACTS

5. Solder each wire to the corresponding contact
6. Slide the ring to the front end
7. Bend cable screen outwards
8. Insert half shell and retain with the ring



10. Trim protuding screen strands
11. Push the cable assembly into the body, orienting the guides to the slots

The assembly is now finished

CCB SERIES 8.2A

Cable Diameter **2.6-4.3 (mm)**



CCB1S1/03

Panel mount
Low profile
3 contacts
Size 1

+



CCA1P1/A03

+



CCV1C/CC	2.6 - 3.1 mm
CCV1C/CD	3.1 - 3.6 mm
CCV1C/CE	3.6 - 4.1 mm
CCV1C/CF	4.1 - 4.3 mm

Non IP68 cable clamps also available

CCB SERIES 5.5A

Cable Diameter **2.6-4.3 (mm)**



CCB1S1/04

Panel mount
Low profile
4 contacts
Size 1

+



CCA1P1/A04

+



CCV1C/CC	2.6 - 3.1 mm
CCV1C/CD	3.1 - 3.6 mm
CCV1C/CE	3.6 - 4.1 mm
CCV1C/CF	4.1 - 4.3 mm

Non IP68 cable clamps also available

CCB SERIES 12A

Cable Diameter **3.7-6.2 (mm)**



CCB2S1/03

Panel mount
Low profile
3 contacts
Size 2

+



CCA2P1/A03

+



CCV2C/CE	3.7 - 4.2 mm
CCV2C/CG	4.2 - 4.7 mm
CCV2C/CH	4.7 - 5.2 mm
CCV2C/CI	5.2 - 5.7 mm
CCV2C/CJ	5.7 - 6.2 mm

Non IP68 cable clamps also available

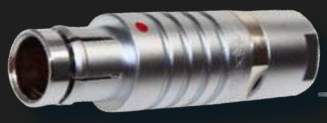
CCB SERIES 7A

Cable Diameter **3.7-6.2 (mm)**



CCB2S1/04

Panel mount
Low profile
4 contacts
Size 2



CCA2P1/A04



CCV2C/CE	3.7 - 4.2 mm
CCV2C/CG	4.2 - 4.7 mm
CCV2C/CH	4.7 - 5.2 mm
CCV2C/CI	5.2 - 5.7 mm
CCV2C/CJ	5.7 - 6.2 mm

Non IP68 cable clamps also available

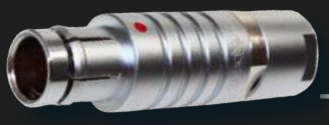
CCB SERIES 5.2A

Cable Diameter **3.7-6.2 (mm)**



CCB2S1/06

Panel mount
Low profile
6 contacts
Size 2



CCA2P1/A06



CCV2C/CE	3.7 - 4.2 mm
CCV2C/CG	4.2 - 4.7 mm
CCV2C/CH	4.7 - 5.2 mm
CCV2C/CI	5.2 - 5.7 mm
CCV2C/CJ	5.7 - 6.2 mm

Non IP68 cable clamps also available

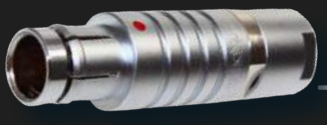
CCB SERIES 5A

Cable Diameter **3.7-6.2 (mm)**



CCB2S1/07

Panel mount
Low profile
7 contacts
Size 2



CCA2P1/A07



CCV2C/CE	3.7 - 4.2 mm
CCV2C/CG	4.2 - 4.7 mm
CCV2C/CH	4.7 - 5.2 mm
CCV2C/CI	5.2 - 5.7 mm
CCV2C/CJ	5.7 - 6.2 mm

Non IP68 cable clamps also available

CCB SERIES
3.8A

Cable Diameter

3.7-6.2 (mm)



CCB2S1/08

Panel mount
Low profile
8 contacts
Size 2

+



CCA2P1/A08

+



CCV2C/CE	3.7 - 4.2 mm
CCV2C/CG	4.2 - 4.7 mm
CCV2C/CH	4.7 - 5.2 mm
CCV2C/CI	5.2 - 5.7 mm
CCV2C/CJ	5.7 - 6.2 mm

Non IP68 cable clamps also available

CCB SERIES
2.5A

Cable Diameter

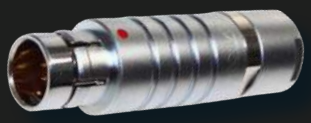
5.7-6.7 (mm)



CCB3S1/19

Panel mount
Low profile
19 contacts
Size 3

+



CCA3P1/A19

+



CCU3C/CJ	5.7 - 6.2 mm
CCU3C/CL	6.2 - 6.7 mm

Non IP68 cable clamps also available

CCM SERIES
2.5A

Cable Diameter

5.7-8.7 (mm)



CCB4S1/19

Panel mount
Low profile
19 contacts
Size 4

+



CCA4P1/A19

+



CCU4C/CK	5.7 - 6.7 mm
CCU4C/CN	6.7 - 7.7 mm
CCU4C/CQ	7.7 - 8.7 mm

Non IP68 cable clamps also available

CCD SERIES 7A

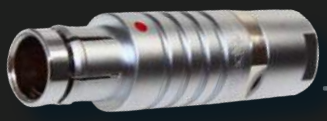
Cable Diameter

3.7-6.2 (mm)



CCD2S1/04

Panel mount
Protruding for low light conditions
4 contacts
Size 2



CCA2P1/A04



CCV2C/CE	3.7 - 4.2 mm
CCV2C/CG	4.2 - 4.7 mm
CCV2C/CH	4.7 - 5.2 mm
CCV2C/CI	5.2 - 5.7 mm
CCV2C/CJ	5.7 - 6.2 mm

Non IP68 cable clamps also available

CCE SERIES 8.2A

Cable Diameter

2.6-4.3 (mm)



CCE1S1/03

Panel mount
Protruding for low light conditions
3 contacts
Size 1



CCA1P1/A03



CCV1C/CC	2.6 - 3.1 mm
CCV1C/CD	3.1 - 3.6 mm
CCV1C/CE	3.6 - 4.1 mm
CCV1C/CF	4.1 - 4.3 mm

Non IP68 cable clamps also available

CCE SERIES 5.2A

Cable Diameter

2.6-4.3 (mm)



CCE1S1/05

Panel mount
Protruding for low light conditions
5 contacts
Size 1



CCA1P1/A05



CCV1C/CC	2.6 - 3.1 mm
CCV1C/CD	3.1 - 3.6 mm
CCV1C/CE	3.6 - 4.1 mm
CCV1C/CF	4.1 - 4.3 mm

Non IP68 cable clamps also available

CCE SERIES 2A

Cable Diameter **2.6-4.3 (mm)**



CCE1S1/07

Panel mount
Protruding for low light conditions
7 contacts
Size 1



CCA1P1/A07



CCV1C/CC	2.6 - 3.1 mm
CCV1C/CD	3.1 - 3.6 mm
CCV1C/CE	3.6 - 4.1 mm
CCV1C/CF	4.1 - 4.3 mm

Non IP68 cable clamps also available

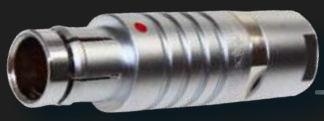
CCE SERIES 5A

Cable Diameter **3.7-6.2 (mm)**



CCE2S1/07

Panel mount
Protruding for low light conditions
7 contacts
Size 2



CCA2P1/A07

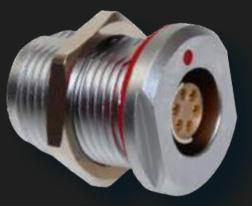


CCV2C/CE	3.7 - 4.2 mm
CCV2C/CG	4.2 - 4.7 mm
CCV2C/CH	4.7 - 5.2 mm
CCV2C/CI	5.2 - 5.7 mm
CCV2C/CJ	5.7 - 6.2 mm

Non IP68 cable clamps also available

CCL SERIES 5.2A

Cable Diameter **3.7-6.2 (mm)**



CCL2S1/06

Panel mount
Utility style
6 contacts
Size 2



CCA2P1/A06



CCV2C/CE	3.7 - 4.2 mm
CCV2C/CG	4.2 - 4.7 mm
CCV2C/CH	4.7 - 5.2 mm
CCV2C/CI	5.2 - 5.7 mm
CCV2C/CJ	5.7 - 6.2 mm

Non IP68 cable clamps also available

CCM SERIES 8.2A

Cable Diameter **2.6-4.3 (mm)**



CCM1S1/03

Panel mount
Thick panel type
3 contacts
Size 1

+



CCA1P1/A03

+

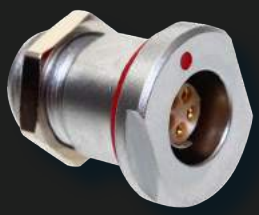


CCV1C/CC	2.6 - 3.1 mm
CCV1C/CD	3.1 - 3.6 mm
CCV1C/CE	3.6 - 4.1 mm
CCV1C/CF	4.1 - 4.3 mm

Non IP68 cable clamps also available

CCM SERIES 5.2A

Cable Diameter **2.6-4.3 (mm)**



CCM1S1/05

Panel mount
Thick panel type
5 contacts
Size 1

+



CCA1P1/A05

+

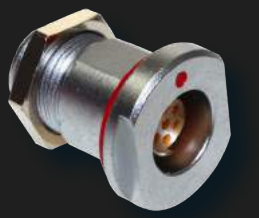


CCV1C/CC	2.6 - 3.1 mm
CCV1C/CD	3.1 - 3.6 mm
CCV1C/CE	3.6 - 4.1 mm
CCV1C/CF	4.1 - 4.3 mm

Non IP68 cable clamps also available

CCM SERIES 2A

Cable Diameter **2.6-4.3 (mm)**



CCM1S1/07

Panel mount
Thick panel type
7 contacts
Size 1

+



CCA1P1/A07

+

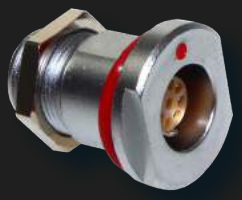


CCV1C/CC	2.6 - 3.1 mm
CCV1C/CD	3.1 - 3.6 mm
CCV1C/CE	3.6 - 4.1 mm
CCV1C/CF	4.1 - 4.3 mm

Non IP68 cable clamps also available

CCM SERIES 1.7A

Cable Diameter **2.6-4.3 (mm)**



CCM1S1/09

Panel mount
Thick panel type
9 contacts
Size 1



CCA1P1/A09



CCV1C/CC	2.6 - 3.1 mm
CCV1C/CD	3.1 - 3.6 mm
CCV1C/CE	3.6 - 4.1 mm
CCV1C/CF	4.1 - 4.3 mm

Non IP68 cable clamps also available

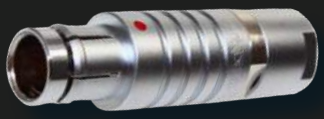
CCM SERIES 6.8A

Cable Diameter **3.7-6.2 (mm)**



CCM2S1/05

Panel mount
Utility style
5 contacts
Size 2



CCA2P1/A05

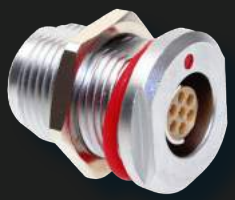


CCV2C/CE	3.7 - 4.2 mm
CCV2C/CG	4.2 - 4.7 mm
CCV2C/CH	4.7 - 5.2 mm
CCV2C/CI	5.2 - 5.7 mm
CCV2C/CJ	5.7 - 6.2 mm

Non IP68 cable clamps also available

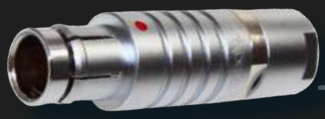
CCM SERIES 5A

Cable Diameter **3.7-6.2 (mm)**



CCM2S1/07

Panel mount
Utility style
7 contacts
Size 2



CCA2P1/A07



CCV2C/CE	3.7 - 4.2 mm
CCV2C/CG	4.2 - 4.7 mm
CCV2C/CH	4.7 - 5.2 mm
CCV2C/CI	5.2 - 5.7 mm
CCV2C/CJ	5.7 - 6.2 mm

Non IP68 cable clamps also available

CCM SERIES 4.5A

Cable Diameter

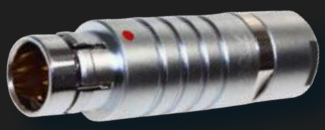
5.7-6.7 (mm)



CCM3S1/10

Panel mount
Utility style
10 contacts
Size 3

+



CCA3P1/A10

+



CCU3C/CJ	5.7 - 6.2 mm
CCU3C/CL	6.2 - 6.7 mm

Non IP68 cable clamps also available

CCM SERIES 4.2A

Cable Diameter

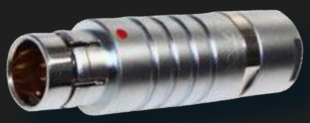
5.7-6.7 (mm)



CCM3S1/12

Panel mount
Utility style
12 contacts
Size 3

+



CCA3P1/A12

+



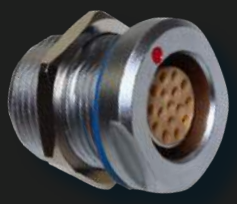
CCU3C/CJ	5.7 - 6.2 mm
CCU3C/CL	6.2 - 6.7 mm

Non IP68 cable clamps also available

CCM SERIES 4A

Cable Diameter

5.7-8.7 (mm)



CCM4S1/16

Panel mount
Utility style
16 contacts
Size 4

+



CCA4P1/A16

+



CCU4C/CK	5.7 - 6.7 mm
CCU4C/CN	6.7 - 7.7 mm
CCU4C/CQ	7.7 - 8.7 mm

Non IP68 cable clamps also available

CCS SERIES
5.5A

Cable Diameter

2.6-4.3 (mm)



CCS1S1/04

Cable mount
4 contacts
Size 1

Please note, cable mount receptacles require a cable clamp

CCA1P1/A04

CCV1C/CC	2.6 - 3.1 mm
CCV1C/CD	3.1 - 3.6 mm
CCV1C/CE	3.6 - 4.1 mm
CCV1C/CF	4.1 - 4.3 mm

Non IP68 cable clamps also available

CCT SERIES
8.2A

Cable Diameter

2.6-4.3 (mm)



CCT1S1/03

Cable mount
3 contacts
Size 1

Please note, cable mount receptacles require a cable clamp

CCA1P1/A03

CCV1C/CC	2.6 - 3.1 mm
CCV1C/CD	3.1 - 3.6 mm
CCV1C/CE	3.6 - 4.1 mm
CCV1C/CF	4.1 - 4.3 mm

Non IP68 cable clamps also available

CCT SERIES
5.2A

Cable Diameter

2.6-4.3 (mm)



CCT1S1/05

Cable mount
5 contacts
Size 1

Please note, cable mount receptacles require a cable clamp

CCA1P1/A05

CCV1C/CC	2.6 - 3.1 mm
CCV1C/CD	3.1 - 3.6 mm
CCV1C/CE	3.6 - 4.1 mm
CCV1C/CF	4.1 - 4.3 mm

Non IP68 cable clamps also available

CCT SERIES 2A

Cable Diameter
2.6-4.3 (mm)



CCT1S1/07
Cable mount
7 contacts
Size 1

Please note, cable mount receptacles require a cable clamp

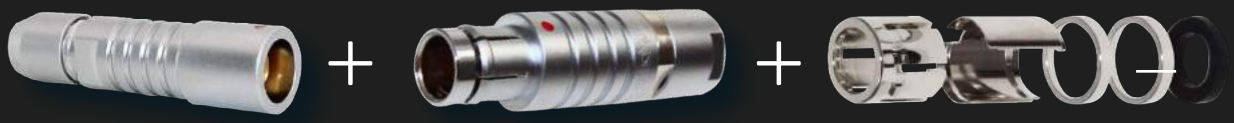
CCA1P1/A07

CCV1C/CC	2.6 - 3.1 mm
CCV1C/CD	3.1 - 3.6 mm
CCV1C/CE	3.6 - 4.1 mm
CCV1C/CF	4.1 - 4.3 mm

Non IP68 cable clamps also available

CCT SERIES 6.8A

Cable Diameter
3.7-6.2 (mm)



CCT2S1/05
Cable mount
5 contacts
Size 2

Please note, cable mount receptacles require a cable clamp

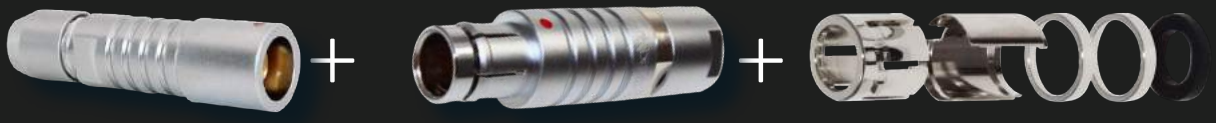
CCA2P1/A05

CCV2C/CE	3.7 - 4.2 mm
CCV2C/CG	4.2 - 4.7 mm
CCV2C/CH	4.7 - 5.2 mm
CCV2C/CI	5.2 - 5.7 mm
CCV2C/CJ	5.7 - 6.2 mm

Non IP68 cable clamps also available

CCT SERIES 5A

Cable Diameter
3.7-6.2 (mm)



CCT2S1/07
Cable mount
7 contacts
Size 2

Please note, cable mount receptacles require a cable clamp

CCA2P1/A07

CCV2C/CE	3.7 - 4.2 mm
CCV2C/CG	4.2 - 4.7 mm
CCV2C/CH	4.7 - 5.2 mm
CCV2C/CI	5.2 - 5.7 mm
CCV2C/CJ	5.7 - 6.2 mm

Non IP68 cable clamps also available