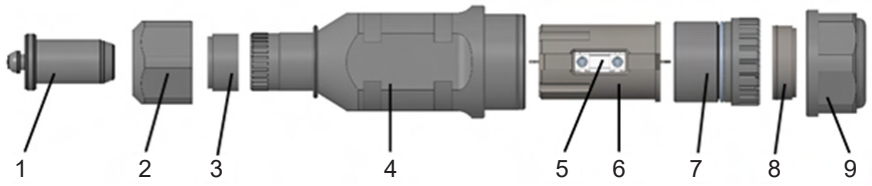
ANDREW® an Amphenol company

Installation Instructions

PCA-16-25MM2-2C-HL Adaptor
for 2 Core DC Power Cable Installation

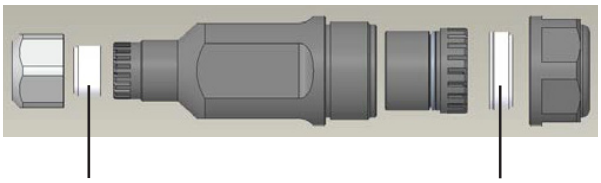


No.3 for cable
OD 10 - 14 mm

No.8 for cable
OD 20 - 25 mm

1	Stopper
2	Nut
3	Sealing rubber
4	Shell
5	Shield Terminal
6	Insulator
7	Plastic clip
8	Sealing rubber
9	Nut

1 Check the OD of the cable jacket to verify the sealing rubber for the cable on both output and input sides are correct.



Output
No.3 OD 10-14 mm

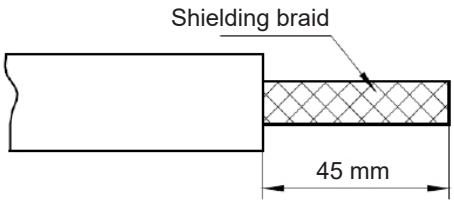
Input
No.8 OD 20 -25 mm

2 Lead the Output cable through the No.1 nut, No.3 sealing rubber and No.4 shell. Then lead the Input cable through the No.9 nut, No.8 sealing rubber and then the No.7 plastic clip.

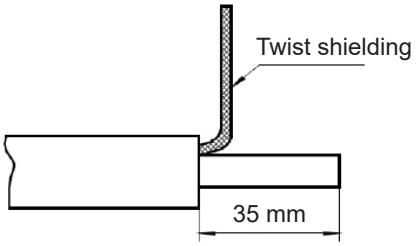
Output

Input

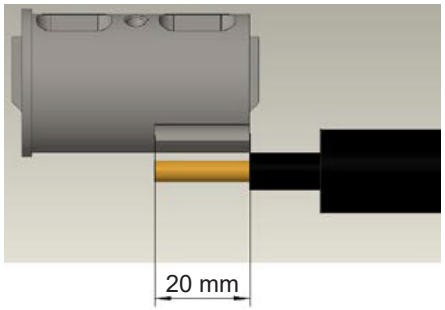
3 Strip the cable outer jacket to 45 +/- 2 mm, don't cut the shielding braid.



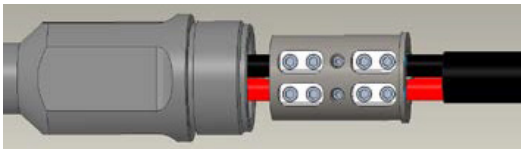
4 Remove individual fractured shielding wire. Twist the shielding of copper cable and cut the core wire to 35 +/- 2 mm



5 Strip the inner jacket of the conductor to 20 +/- 1 mm, can refer to the groove length on the insulator.



6 Twist cable conductor 6 times by hand if it is stranded wire as shown below, then install the core wires into the correct holes.



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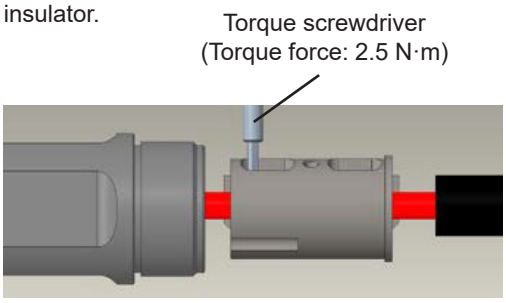
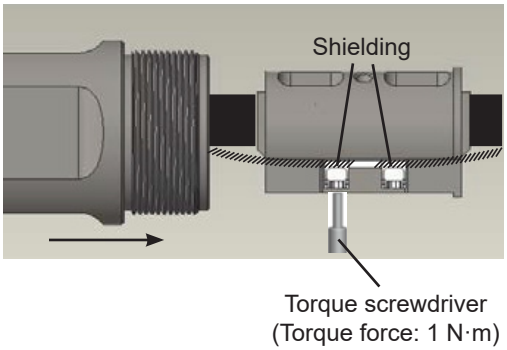
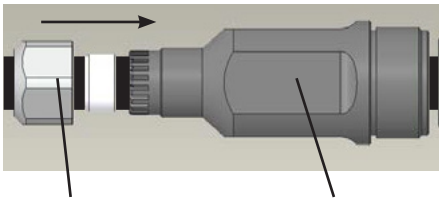
7 Tighten the screws in the two holes by using a torque screwdriver. The torque force should be 2.5 N·m to avoid short circuits. Repeat the 6th and 7th steps again to assemble the cable to the other side of the insulator.



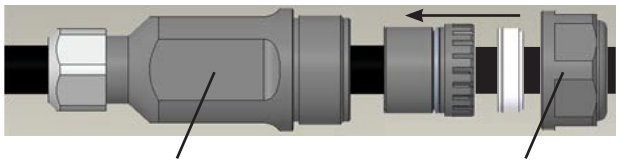
8 Tighten the shielding screw in shield terminal by using a torque screwdriver. The torque force should be 1 N·m. Side the No.4 shell over the No.6 insulator.

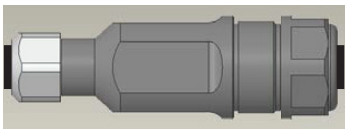


9 Press the sealing rubber into the No.4 shell. Assemble the No.2 nut onto the No.4 shell using an M30 spanner and an M40 spanner as shown. The torque force should be 2.5 N·m.



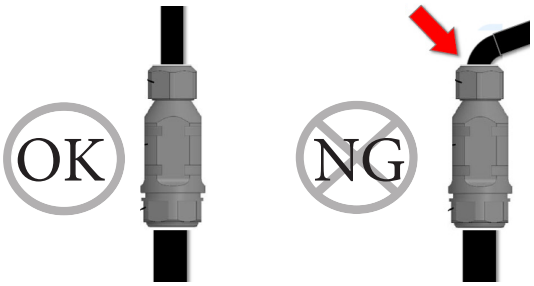
10 Press the No.7 plastic clip into the No.4 shell. Press the sealing rubber into the No.7 plastic clip. Assemble the No.9 nut onto the No.4 shell using an M40 spanner and an M42 spanner as shown. The torque force should be 2.5 N·m.





Completed assembly

11 During installation maintain straight cable entry and exit to ensure full PCA sealing performance during operation.



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