[4-Pin Circular Cable Connector (for Enclosures)](#)

This connector is the female half of a connection that will allow two cables to be securely connected while protecting the connection from the elements. It also allows for quick and easy detaching if you want to switch between external sensors for example. This unit is designed to connect to an enclosure and allow you to plug cables into the enclosure.

This connector is suitable for cables from 3 – 8mm in diameter.

Connection

This connector is designed to fit inside the wall of a waterproof plastic enclosure. For more details on installation and a list of compatible enclosures, see the "Compatible Products" tab.

Product Specifications

Physical Properties	
Number of Conductors	4
IP Rating	68
Connector Type	Female (Enclosure)

- [Installation Instructions](#)

- [Mechanical Drawings](#)

Projects

- [Weatherproofing Phidgets](#) (September 2, 2014)

Cable Connectors

You can attach this connector to another by pushing to two together and twisting the ring on (the ring is part of the male connector). This cable connector mates with the following male connectors:

Product	Physical Properties	
Part Number	Number of Conductors	Connector Type
CBL4402_0	4	Male

Multi-conductor Cable

Multi-conductor cable is great for organizing multiple wires into a single cable. Just cut and strip the ends of the wires and solder them onto the connector's pins. Here's a list of 4-conductor cable we have for sale:

Product	Physical Properties		
Part Number	Number of Conductors	Cable Gauge	Insulation Material
CBL4301_0	4	16 AWG	PVC
CBL4302_0	4	16 AWG	PVC

Project Enclosures

This cable connector makes it easy to create a connection point on the wall of an enclosure. You need to drill a hole approximately 17mm in diameter into the side of the enclosure, and then you can slide the connector through the hole and fasten it in place with the nut. The cable solders to the inside, and you can connect another cable connector of opposing gender to the outside of the enclosure (the matching connector is sold separately). When not in

use, the cap can be screwed onto the enclosure's connector. Here's a list of all of the waterproof project enclosures we have available:

Product	Physical Properties		
Part Number	Material	Volume	Dimensions
BOX4200_0	High impact ABS	approx. 550 cm?³	108x83x63 mm
BOX4201_0	High impact ABS	approx. 613 cm?³	167x108x34 mm
BOX4202_0	High impact ABS	approx. 695 cm?³	130x80x67 mm
BOX4203_0	High impact ABS	approx. 1425 cm?³	192x112x67 mm
BOX4204_0	High impact ABS	approx. 1425 cm?³	192x112x67 mm
BOX4205_0	High impact ABS	approx. 2525 cm?³	223x143x80 mm
BOX4206_0	High impact ABS	approx. 2525 cm?³	223x143x80 mm
BOX4207_0	High impact ABS	approx. 2990 cm?³	215x145x96 mm

Here are all of the versions of this connector

Product	Physical Properties	
Part Number	Number of Conductors	Connector Type
CBL4401_0	4	Female
CBL4403_0	4	Female (Enclosure)