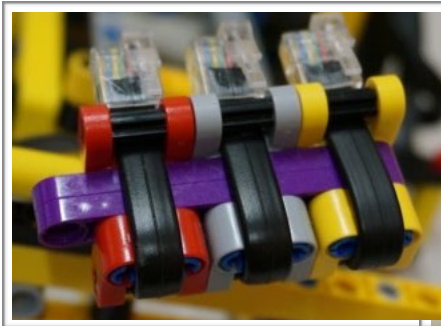


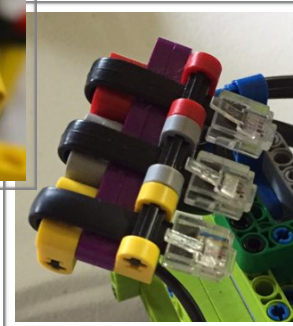
CABLE MANAGEMENT PART 2

By BrainSTEM Robotics and Droids Robotics, 2015

The cables on the LEGO MINDSTORMS can get in the way of attachments and plugging and unplugging motors/sensors. In this guide, FTC 8393 Giant Diencephalic BrainSTEM Robotics, an award-winning former FLL Team from Pittsburgh, PA share with us some simple, but very effective techniques for cable management.



The Three Fingers of Death:



If you design a plug-in robot where the brick comes out of each chassis, you have to be able to quickly unplug and plug your cables. This technique keeps the spacing between the wires correct at all times and lets you press all three at the same time. Using different colors lets you color code which wire goes to which sensor or motor.

Gear Boxes: LEGO gear boxes can find a new use as cable holders. Here, cables are fed through a gear box piece. They are spacious enough to hold multiple cables.



Building Guide Rails: Building guide rails for long EV3 wires helps to keep them out of the way and always in the same spot.



Shorten Cables: When cables are too long, you can wrap them a few times around themselves or around a beam.



Photos of actual builds by BrainSTEM Robotics shared with permission.