[AN009]

ADVANCED NETWORK DEVICES

Pigtail Cable Assembly

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Static Electric Warning

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Complete Support Site with User Guides & Help:	http://www.anetdsupport.com/
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CABLE ASSEMBLY

The following two-wire cable can be built in order establish a physical connection between an AND device and another device.

Pigtail Cable Build of Materials		
Manufacturer/Part #	**Qty**	**Description**
Molex 50-57-9002	1	Two-position .100” connector housing
Molex 16-02-1125	2	Gold finished female terminal connectors
Alpha Wire 1172C	1	22 AWG, 2 conductor, PVC insulated stranded wire, or similar

1. Cut the appropriate length of cable (Alpha Wire 1172C) for the installation.
2. Strip one end of the cable and crimp a female terminal connector (Molex 16-02-1125) to each wire, using a Molex crimper # 64016-0201.
3. Slide the two female connectors into the connector housing (Molex 50-57-9002). The connector will snap into place when it is inserted properly.
4. Strip the other end of the cable as needed. The connector will fit onto header J13 of the controller board as needed.

Please consult additional AND documentation on appropriate wiring combinations for your use case.

OFF-THE-SHELF ALTERNATIVE

Similar cable assemblies are available off-the-shelf from many sources, including the following:

Robot Shop

http://www.robotshop.com/productinfo.aspx?pc=RB-See-120

You can cut this cable in half to produce two 6” pigtails at less than 25 cents each.