

OneReach M8 Pigtail Installation Instructions

Pigtail Part Number: 11099456 (1-Port, 2-Port, and 4-Port PoE (MPO) Remotes), 11099455 (Obsolete 4-Port (MTP) Remotes), 11099453 (4-Port PoE+ Remotes)

Description: 36 inches of a black and white #18 AWG (11099456, 11099455) or 20 AWG (11099453) stranded wire are terminated with an M8 connector at one end and push-in wire connectors at the other end.

Pigtail Installation:

1. Pull cable to both end points and leave enough slack in each NEMA rated box or patch panel to terminate the optical fibers with LC connectors per your kits instructions.

NOTE: M8 pigtail is installed at remote end of cable only.

2. At remote location, remove required length of cable jacket to terminate the optical fibers with LC connectors. Remove an additional six inches of length from the black and white (and if applicable blue and yellow) copper conductors.
3. Strip approximately 1/2" of insulation off each copper conductor.

NOTE: If using a surge protector, please go to step 9 and proceed through the rest of the document.

4. If desired, a customer supplied heat shrink tube should be slid over conductor at this time.
5. Match the wire colors of the cable with the wire colors of the pigtail
 - a. White with white; black with black, blue with blue, yellow with yellow
6. Insert cable conductor into open side of push-in connector.
7. If installed, cover connector with shrink tubing and apply heat.
 - a. If shrink tubing is not available, apply electrical tape around connector.
8. Install LC connectors to the fibers per manufacturers procedures.

NOTE: If you are not using a surge protector, you may skip the remaining steps in this document.

9. If using a surge protector, cut off the push-in wire connectors on the M8 pigtail
10. Strip approximately 1/2" of insulation off each copper conductor of the M8 pigtail.

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11. Place the conductors under the screw terminals of the protected or out side of the surge protector
 - a. Black and Blue should be under the positive terminal
 - b. White and Yellow should be under the negative terminal
12. Place the copper conductors of the composite cable on the unprotected or in side of the surge protector
 - a. Match conductor pathways, allowing black to be connected to black, white to white, blue to blue, and yellow to yellow.
13. Install LC connectors to the fibers per manufacturers procedures.

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