

## Suggested RJ-45 Plug for Xtra-Guard Industrial Ethernet Cable and Assembly Instruction

We suggest [Sentinel Connector System Inc.](http://www.sentinelconnector.com) part numbers

XGIE Part Number	Shielding	Recommended Connector
75000,75010, 75020, 76000,76010, 76020	Unshielded	<a href="http://www.sentinelconnector.com/111-08080091L34">111-08080091L34</a>
75001,75011,75021,75002,75 012,75022,76001,76011,7602 1,76002,76012,76022	Foil Foil/Braid	<a href="http://www.sentinelconnector.com/111S08080091H34">111S08080091H34</a>

Below is an assembling instruction to demonstrate how to terminate the 76022 (Largest OD Ethernet cable) with RJ-45 plug 111S08080091H34.

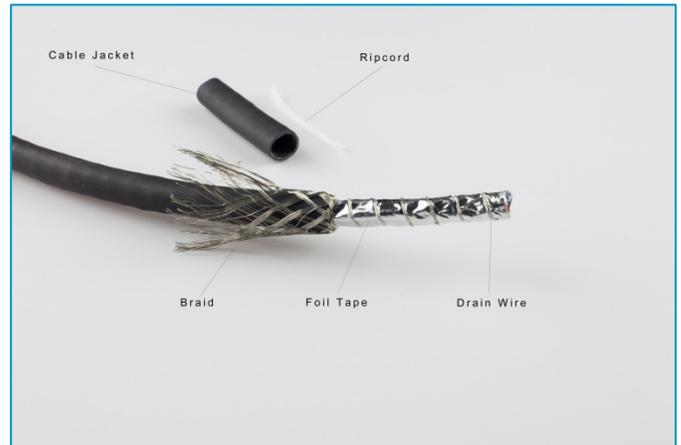
1. Picture shows Alpha Wire's Xtra-Guard Industrial Ethernet part number 76022, RJ-45 modular plug boot, Sentinel RJ-45 plug and its load bar.



2. First slide in the boot over the cable. Make sure its orientation is correct, and leave 3 inches of the cable at the end to be terminated.



3. Cut out 2 inches of cable jacket using coax cable cutter or just razor blade. Cut the ripcord also. Fold the braid back.



4. Unwrap the drain wire, fold the foil tape back and wrap the drain wire around the folded foil tape tightly. Cut out the clear Mylar tape. Untwist the pairs and insert the load bar. Make sure the pair sequence follows TIA-568A or TIA-568B. Flush cut the pairs at the load bar leaving about 3/4" long of the pairs.

5. Insert the load bar (with pairs) into the modular plug and crimp it with 8P8C crimp tool for RJ-45 modular plug. Close the two "arms" of the plug's shield tightly around the folded foil tape. Trim off the excessive drain wire, foil tape, and braid.



6. Slide the plug boot back to cover the assembled modular plug.