WHOI-231018B Cable Assembly. Bill of Materials (per cable assembly):

BOM Line 1: quantity 1, Samtec ISDF-05-D-M connector
BOM Line 2: quantity 4, Samtec CC03M-2830-01-G contacts

Final assembled cable length to be approximately 1.5" shorter than original length of VPI CAT5E-SF-xx-color cable.
Length tolerance on overall cable assembly is +/- 1".

Assembly Steps:
1.) Cut off one end of VPI Ethernet cable at the strain-relief boot.
2.) Strip off Ethernet cable jacket to expose approximately 0.5" of orange/white/orange and green/white/green twisted pairs.
3.) Cut off unused twisted pairs (blue/white/blue and brown/white/brown) flush with remaining Ethernet cable jacket.
4.) Crimp four contacts onto orange/white/orange and green/white/green twisted pairs.
5.) Insert contacts into Samtec ISDF-05-D-M as shown below:

- orange/white: ISDF-05-D-M pin 9
- orange: ISDF-05-D-M pin 10
- green/white: ISDF-05-D-M pin 7
- green: ISDF-05-D-M pin 6

Samtec ISDF-05-D-M

Use Samtec CC03L-2830-01-G Contacts (CC03M,CC03R acceptable)
Crimper: CAT-HT-203-2832-11 (or other crimper as appropriate)

Example Photo (VPI CAT5E-SF-1-BLUE shown):

Cable also can be used with WHOI-205103 Precision Time and Position Board
Note: Ethernet wire color standard for TIA/EIA 568B (not 568A, which has different color standard)