

VLDS over CTD wire?
Originated by Andrew Girard (WHOI) on Dec 20, 2013

From: Andrew Girard (WHOI) on Fri, 20 Dec 2013

Has anyone played with these units on CTD wire yet? Looks interesting...

<http://www.startech.com/Networking-IO/Media-Converters/Ethernet-Extenders/10-100Mbps-VDSL2-Ethernet-LAN-Extender-Kit~110VDSLEXT>

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Reply From: Chad Waluk (OSU) on Fri, 20 Dec 2013

I have one of these units in our lab. So far it has just been used for lab testing so I don't have any actual field work results to relay. I was able to use this unit to send CTD, acoustic data, and video data all through over a 1000ft of CAT5 cable. I did this on one of the twisted pairs and on wire pairs that weren't twisted together. Both tests were successful. I believe that I also ran the data through a single wire and the cables shield and it worked, (I could be wrong here...it has been a while). I haven't tried a longer distance than this since our lab limits us on this but it was a good start. I do still plan on 'hopefully' utilizing this part in a future profiling system.

That's all the info I have for this product. I think it would be worth getting one for your own tests.

Cheers
Chad

Reply From: Marshall Swartz (WHOI) on Fri, 20 Dec 2013

Andy,

Remember, you were there when I made a presentation to RVTEC in 2009 on the Data-Link I've developed. We have built 8 of these now and used them for years on over 30 projects, and have sold one to Taiwan's NTU.

They've been used for our Towcam, with our SBE9 and SBE25 CTDs, on multicorers, with magnetometers and with Rich Camilli's TETHYS, among other things.

See the UNOLS website for more info... and contact me.

Our design works on 10000m cable, single or multi-conductor, at data rates at least 400kbps, passing video and serial data.

Marshall

Reply From: Scott Hiller (UCSD) on Fri, 20 Dec 2013

Andrew,

I used a Lan extender a few years ago and had good luck with it on 8000 meters of ctd wire.

<http://www.netsys.com.tw/products/GSHDSL/nb301a.htm>

(not sure if they make this model).

good luck.

Scott

Scott Hiller - STARC
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