

Technical Note

TN37: Testing MPTL Link (RJ45 Socket to RJ45 Plug)



Test Equipment Required:









- x1 Fluke Networks Versiv DSX 5000 Main Handset
- x1 Fluke Networks Versiv DSX 5000 Remote Handset
- x2 DSX PLA004 Permanent Link Adaptors
- x2 DSX CHA004 Channel Adaptors
- Excel 100-107 C6A through coupler








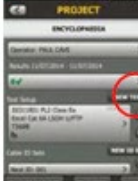
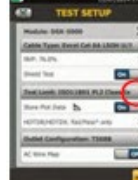
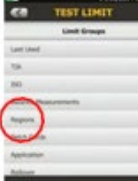
Author: Ian McKiernan -
Technical Pre-Sales
Manager




Date: July 2021



IMPORTANT Prior to any testing it is necessary to perform the SET REFERENCE application.
This ensures both the main and remote handsets are using the same firmware versions.

STEP 1	Switch on the main handset and select  Menu on the  reen.	 
STEP 2	Select SET REFERENCE and connect the DSX-PL004 PLadaptor to the main handset.	
STEP 3	Switch on the remote handset and connect the channel adaptor.	
STEP 4	Follow the screen instructions by connecting the permanent link adaptor to the channel adaptor. Select TEST.	
STEP 5	Allow the REFERENCE application to run. When complete the previous screen will return.	

STEP 6	Touch the BACK option to return to the  screen.	
STEP 7	Connect the DSX-PLA004 PL adaptor to the remote handset and the 100-107 C6A through coupler to the personality plug on the remote permanent link adaptor	
STEP 8	The next task is to set up PROJECT INFORMATION. Touch the > symbol on the PROJECT icon.	
STEP 9	Select CHANGE PROJECT and then NEW PROJECT.	
STEP 10	Type the title of the project via the touch screenkeyboard. Select DONE when complete. The screen should return to the PROJECT screen.	
STEP 11	To set up the OPERATOR. Touch the > symbol on the operator Icon and enter name. Select DONE when complete.	
STEP 12	To set up a test limit. Touch the NEW TEST icon.	
STEP 13	To select a new test limit. Touch the > symbol on the TEST LIMIT icon.	
STEP 14	Select REGIONS followed by EN for all CENELEC test limits. (If test limit has not been confirmed select ISO and Class of test).	

STEP 15	Select the required test limit.	
STEP 16	Connect the DSX-PL004 PL adaptors to the RJ45 socket on the MTPL terminated on the link to be tested and the RJ45 plug into C6A 100-107 the through coupler.	
STEP 17	Start TEST either via touch screen icon or physical button.	
<p>NB A 100-107 C6A through coupler should be used regardless of the category of cabling being used. The maximum recommended insertions per 100-107 is 50, however this may be extended to complete individual orders. Where more than 50 insertions are required to complete an installation test cycle, the operative must monitor NEXT values to ensure the performance of the 100-107 does not impact the attenuation coupling of the RJ45 plug.</p>		

This Technical Note has been produced by Ian McKiernan, Technical Pre-Sales Manager, on behalf of Excel

Excel is a world-class premium performing end-to-end infrastructure solution - designed, manufactured, supported and delivered - without compromise.

www.excel-networking.com

