



# ELIT CAT6A PLUS

## Technical description

CAT6A+ adapters for the WireXpert Series enable all WireXpert 500, 500-PLUS and 4500 devices to test Direct Current Resistance Unbalance (DCRU) on twisted pair shielded and unshielded LAN cabling additionally to the regular Autotest parameters. CAT6A+ adapters also help to identify on shielded cables whether the cable shield is connected to the correct socket.

### Application description for CAT 6A+ Adapters | DCRU

With the roll-out of high power PoE (Power over Ethernet) applications up to 60 or 100W, the Direct Current (DC) resistance of twisted pair cabling becomes an important parameter. If the DC resistance of a cable pair is too high and/or the DC resistance between pairs or even within wires of a pair differs too much, the temperature of that pair or wire can increase above the allowed cable or connector specification. As a result, that cabling will suffer accelerated aging or even damaging: Furthermore, there is also a significant risk to lose data due to signal distortion. Therefore, ISO/IEC, TIA and Cenelec have defined testing of DCRU as an optional parameter that can be added to regular cable certification, in case the use of high power PoE is planned for a specific cabling installation.

### Features for DC Resistance Unbalance

Measures DC Resistance Unbalance between and in pairs of twisted pair LAN cabling in accordance with TIA and IEC specifications  
Allows additionally testing of all regular Autotest parameters such as Insertion Loss, NEXT, Return Loss, ACR-N and ACR-F and related Power-Sum values  
Shield Integrity Test to determine correct connection of the shield to the cabling connections  
Supports testing of crossover cables



## Advantages:

Product name/ Art.nr/ GTIN	ELIT CAT6A PLUS/ 10340339/ 7070810019595
According to:	---