



CABLE TESTER OF CHOICE

WireXpert 500 is the most affordable copper cable certification tester for twisted pair cabling systems with performance levels up to CAT6A/Class E_A. Electricians and network cabling contractors can perform certification testing on copper installations with speed and accuracy using WireXpert 500. In addition to standards based permanent link and channel certification, WireXpert 500 offers optional test adapters for coaxial cable testing and patchcord testing.

WireXpert 500



Key Features

- Advanced cable certification up to 500 MHz
- Certifies to Industry standards – Class D/E/E_A & Category 5e/6/6A
- Fast Autotest time of 9 seconds
- Meets TIA and ISO Level III accuracy requirements
- Certification testing of Patch-cords
- Industrial Ethernet testing with M12 connectivity
- Advanced reporting and documentation
- Most affordable certifier for premise cabling and industrial Ethernet

Easy to Use and ruggedized design

WireXpert 500 comes with an intuitive touch sensitive user interface, featuring bright colour LCD screens designed for industrial, heavy duty usage. The Dual Control System (DCS™) – featuring identical devices for remote and main unit – makes it fast and simple to operate the test cycles. Whether used by two technicians or one person working alone, walking time between outlets is minimized.

Fast and simple for highest productivity

WireXpert 500 completes CAT 6A certification test in seconds. It offers intuitive navigation through the on screen menus, and generates professional reports through the accompanying eXport PC software.

Proven Accuracy

WireXpert 500 is based on measurement system independently verified by highly respected test laboratories including ETL.

Kit Includes	Quantity
WireXpert Handheld units	2
Li-Ion Batteries	2
Stylus with Cords	2
Display Protection Covers	2
CAT 6A Permanent Link Interface Adapters	2
CAT 6A Permanent Link Test Cords	2
CAT 6A Channel Adapters	2
USB Thumb Drive incl. Manual and Software	1
Talk Head Sets	2
AC Power Adapters	2
Country Specific Power Cord	2
Calibration Certificate	1
Carrying Case	1
Quick Reference Guide	1



WireXpert 500 Kit

Cable Certifier

Copper patch-cord testing with WireXpert

WireXpert 500 offers an efficient way for quickly identifying and recording the performance of patch-cords. With its fast and accurate dual-ended testing, WireXpert 500 patch-cord test kits are suitable for both manufacturing test applications, as well as for incoming inventory inspection at end user premises. WireXpert 500 patch-cord test kits are available for testing CAT5e, CAT6, and CAT6A patch-cords.

Industrial Ethernet cabling test

The WireXpert 500 industrial Ethernet cable test solution comprise of M12 adapter kits with both channel and permanent link configurations using M12 industrial Ethernet connectors are supported. Industrial Ethernet kits supporting X-Coded M12 interface are also available, making it possible to effectively test 10-Gig ready industrial Ethernet cables.

Coax cable test

WireXpert 500 also supports testing of coaxial cables for attenuation and return loss with the optional coax test adapters.

Adapters & Accessories for Copper Cable Certification

Adapters & Accessories

Class E_A / CAT6A Channel adapters

Class EA / CAT6A permanent link adapters

Pair of coax adapters

Pair of CAT6A patch cord adapters

Hard carrying case

Pair of nylon covers

For more options and accessories, please contact your Psiber Reseller.

Professional eXport

Manage your results and generate professional reports and warranty documents. The WireXpert 500 certification solution includes eXport, a PC based reporting software utility that produces full colour graphical reports in summary or detail.



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Parameter	Specifications
Copper testing	
Certification Testing	TIA 568-C.2 CAT 5e, 6, 6A
	ISO/IEC 11801, EN 50173 Class D,E,E _A
	CAT 5e, 6, and 6A patch-cord
Autotest time - CAT6A	9 sec
Max cable length for dual ended Autotest	500m
Insertion Cycles	Channel: 10,000 typical
	Permanent link: 5,000 typical
TEST PARAMETERS	As specified in TIA 1152, IEC 61935-1
Wiremap	
Loop Resistance	0 to 40 Ω, ±0.1 Ω
Length	0 to 500m, ±0.5m (dual ended testing)
Propagation Delay and Delay Skew	0 to 5000 ns, ±1 ns
Attenuation	0 to 70 dB, ±0.1dB
Pair-to-Pair and Power-Sum NEXT	0 to 85 dB, ±0.2 dB
Pair-to-Pair and Power-Sum ACRF	0 to 85 dB, ±0.2 dB
Return Loss	0 to 40 dB, ±0.2 dB
ACRN, PSACRN	-25 to 85 dB, ±0.5 dB
Advanced Diagnostics	Time-domain fault Locator for RL and NEXT
Measurement Accuracy	exceeds TIA 1152 & IEC61935-1 level IIIe
Measurement Frequency Range	1- 500 MHz
General Specifications	
Interfaces	Probe Interface, RJ-45 Ethernet, USB host and device, talkset, power jack
Display	6" industrial LCD, touch sensitive area on both units
Enclosure	Ruggedized plastic with rubber overmould, withstands 1.5m drop test on hard surface
Remote unit abilities	View test results, save tests, start autotest
Power Supply	AC 100-240V to 12V, 3A power adapter
Input over-voltage protection	Protected against Telco voltages
Battery	Removable and rechargeable Li-Ion
Battery Capacity	>8 hours continuous operation
Internal Storage Capacity	2000 copper test results with full plot information
External Storage	USB Flash Drive
Dimensions	232 X 126 X 87 mm (9.1 X 5.0 X 3.4 inch)
Weight	Approx. 1.4 kg (3.0 lb) / unit
Supported Languages	Chinese, Czech, English, Finnish, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Swedish, Turkish
Calibration period	1 year
Environmental	
Operating Temperature	0 to 40°C
Storage Temperature	-20 to 60°C
Relative humidity	10% to 80%

For more information please contact:

