

Testing Laboratory

Profit from our cable expertise



DESCRIPTION

Increase your competitiveness, outsource your specific cable tests, and get an external certified report from our cable Testing Laboratory.

We can take care, for instance, of your type-testing and/or production qualification testing following the latest applicable standards. The testing is always performed on calibrated measurement instruments following the ISO17025 standard. Results are made available in a well-recognized test report.

Our testing laboratory is particularly relevant for tests for which you lack the capabilities and/or the adequate resources to perform, or that are seldom required. Moreover, it allows you to properly balance your CapEx and OpEx, while having access to unmatched knowledge and expertise.

KEY FEATURES

- You have to perform some tests only occasionally
 - no need to invest in high-performance equipment
 - extend capabilities for tests that are seldom performed
- You have to present a certificate
 - AESA owns an ISO 17025 accredited laboratory and delivers test certificates
- You cannot, or do not want to, do testing by yourself
 - outsourcing can be an effective and economical solution
- You want to verify before investing
 - compare measurements made with your own equipment
 - assess the performance and reporting capabilities of new equipment



AESA Cortailod

TECHNICAL SPECIFICATIONS

Measured parameters	<ul style="list-style-type: none"> Standards parameters (see below) Specific parameters on demand Specific norms on demand
Location	<ul style="list-style-type: none"> At AESA premises (samples to be sent to AESA)
Various	<ul style="list-style-type: none"> Customer can attend the tests Official certificate delivered at the end NDA document on request
Article No	81.0001.0002.0

LIST OF STANDARD PARAMETERS

Type of Test	Parameters	Requirements
Low Frequency	<ul style="list-style-type: none"> Resistance Capacitance (mutual and unbalanced) 	Ideally 100 meters sample
High Frequency LAN cable (up to 4GHz) Coaxial cable (up to 6GHz) Patch Cord	<ul style="list-style-type: none"> Insertion Loss Return Loss Crosstalk Impedance 	Ideally 100 meters sample
	<ul style="list-style-type: none"> LCL/TCL Alien Crosstalk 	Ideally 100 meters sample 7 cables bundle of ideally 100 meters
EMC parameters (Shielding effectiveness)	<ul style="list-style-type: none"> Transfer Impedance Coupling attenuation Screening attenuation 	0.5 meter sample for TI, 3 meters for AS and AC
	<ul style="list-style-type: none"> Reduction Factor 	1.5 or 2.5 meters sample depending on standards
High Voltage Testing (max. 5 kV, DC)	<ul style="list-style-type: none"> Insulation resistance Dielectric strength 	
Resistance	<ul style="list-style-type: none"> DC Linear resistance 	2 to 4 meters sample depending on design and cross-section
	<ul style="list-style-type: none"> AC Linear resistance 	4 meters sample
Resistivity	<ul style="list-style-type: none"> Conductivity / resistivity of class 1 sample conductors 	2 meters sample

EXAMPLES OF TEST CERTIFICATES AND REPORTS

