

Greater Life Quality

www.qualis-indonesia.com



Cable

Profile

Established in January 2012, Qualis was developed to better meet the growing demand of product evaluation and conformity assessment service in Indonesia. We heavily invested in a modern test facility and development of technical team to cater wide array of industries. Improve product quality while complying with safety standards. Quality and excellence that you can thoroughly rely on.

Why Choose Qualis?

PT. Qualis Indonesia was incorporated to meet the high demand of testing services in Indonesia, especially laboratory. We provide various new and complete laboratory equipment to support any test. Our services is guaranteed by qualified human resources, supported by complete modern laboratory equipment and official accreditation standard tools acknowledged. Qualis has obtained an accreditation (National Accreditation Committee) for testing, certification, calibration and also develop exclusive cooperation with several accredited laboratories, both domestic and international.

Why Is It Important?

- To fulfil all regulations and standarization requirements before delivering your products to the market
- A thoroughly executed test procedures and sound analysis may also eliminate future additional development cost and reduce potential risks of product recalls
- Maintain your customer's trust by increasing the quality and safety of your products
- Gain advantage to compete with other products in the market

Our Service



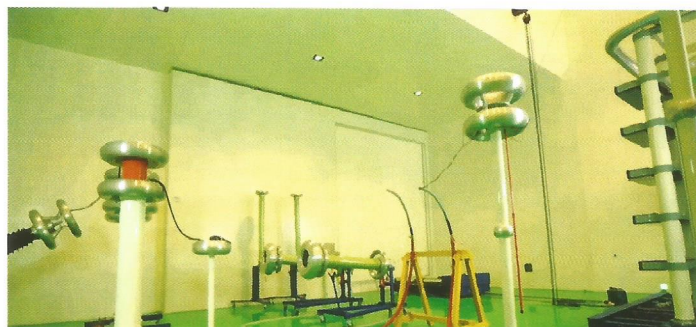
Testing



Certification



Calibration



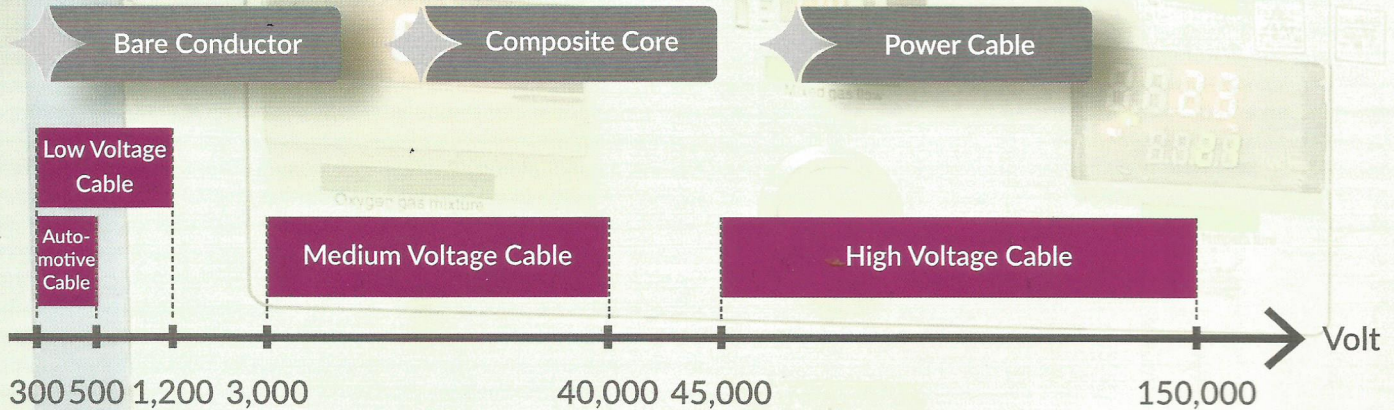


Testing

Power Cable and Power Transmission

High voltage cables are required to handle large power source. Additionally, they are also required to meet various quality and safety requirements, both local and internationally. Qualis Indonesia facilitates ensuring quality and safety requirements of cables through testing in accordance with prevailing test standards.

Product Scope



Item Test of Automotive Cable

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|--|---|--|--|
| <ul style="list-style-type: none"> • Structure • Construction • Conductor Resistance • Voltage Resistance • Insulation Resistance • Insulator Tension • Heat Distortion • Adhesion | <ul style="list-style-type: none"> • Winding • Impact • Tape Abrasion • Scrape Abrasion • Heat Resistance • Heat Shrinkage • Fluid Resistance • Battery Electrolyte | <ul style="list-style-type: none"> • Marking • Flame Resistance • Insulator • Oil Resistance • Low Temperature Resistance • Cross Linking • Weatherability • Chemical Resistance | <ul style="list-style-type: none"> • Thermo Cycle • Water Resistance • Humidity Resistance • Pinch Characteristic • Bending Resistance • Temperature Rising Characteristic • Smoke Characteristic |
|--|---|--|--|



Item Test of Low Voltage Power Cable

Electrical Test

- Conductor Resistance
- Insulation Resistance at Ambient Temperature
- Insulation Resistance at Max Conductor Temperature
- High Voltage Test

Non Electrical Test

- | | |
|---|---|
| <ul style="list-style-type: none"> • Measurement of Thick Insulation • Measurement of Thick Non-Metal Sheath • Test for Mechanical Properties of Insulation • Test for Mechanical Properties of Sheath • Additional Test for Completed Cable • Loss of Mass on PVCST2 Sheath • Test of High Pressure on Insulation and Sheath • Test on Insulation, Sheath and LSHO at Low Temperature • Heat Shock Test on Insulation and PVC Sheath • Ozone Resistance Test for EPR and HEPR Insulation • Hot Set Test EPR, HEPR, XLPE Insulation and Elastomer Sheath | <ul style="list-style-type: none"> • Oil Immersion Test for Elastomeric Sheath • Water Absorption Test for Insulation • Flame Test • Carbon Black Content on Black PE Sheath • Shrinkage Test for XLPE Insulation • Special Bending Test • Hardness Test for HEPR Insulation • Determination of Modulus Elasticity of HEPR Insulation • Shrinkage Test for PE Oversheath • Additional Mechanical Test on Halogen Free Oversheath • Water Absorption Test for Halogen Free Oversheath |
|---|---|



Item Test of Medium/High Voltage Power Cable

Electrical Test

- Conductor Resistance
- Bending
- High Voltage
- Partial Discharge
- Tan Delta Measurement
- Heating Cycle Voltage
- Lightning Impulse Voltage
- Resistivity of Semi-Conducting Screens

Non Electrical Test

- Measurement of Thick Insulation
- Measurement of Thick Non-Metal Sheath
- Measurement of Thick Lead Sheath
- Test for Determining the Mechanical Properties of Insulation Before and After Aging
- Test for Determining the Mechanical Properties of Non-Metal Sheath Before and After Aging
- Additional Aging Test on Complete Cable
- Loss of Mass Test on PVC Sheath of Type ST2
- Pressure Test at High Temperature on Insulation and Non-Metal Sheath
- Test on PVC Insulation and Sheath at Low Temperature
- Test for Resistance of PVS Insulation and Sheath to Cracking (Heat Shock Test)
- Hot Set Test for XLPE Insulation
- Water Absorption Test on Insulation
- Flame Spread Test on Single Cable
- Carbon Black Content of Black (ST7)
- Shrinkage Test for XLPE Insulation
- Shrinkage Test For PE Oversheath (ST7)
- Strippability Test for Insulation
- Water Penetration Test
- High Voltage DC Test on Outer Sheath



Item Test of Bare Conductor

Electrical Test

- Conductor Resistance
- Resistivity and Conductivity of Conductor

Non Electrical Test

- Visual
- Construction and Dimension
- Tensile Strength and Elongation
- Stress Strain and Breaking Load
- Creep Test
- Mass of Zinc Coated
- Wrapping Test
- Torsion Test
- Thickness of Galvanic and Clad
- Density Test
- Breaking Load of Conductor



Item Test of Composite Core

- Tensile Strength
- Salt Spray Test During 1000 Hours
- Glass Transition Temperature (Tg)
- Bending Test
- Dye Penetrant Test After Bending Test
- Tensile Strength After Bending Test
- Heat / Stress Test During 1000 Hours
- Thickness of Galvanic Layer



Limited Oxygen Index Test



Fluorine Content Test



Acid Gas Emission Test



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Test Standard



Calibration

Dimensional

Vernier caliper, micrometer, dial indicator, probe, profile projector

Electrical

AC/DC voltage source, current source, voltmeter, ammeter, Standard resistor, capacitance meter, partial discharge

Mass & Weight

Scale or balance, weight, load gauge

Force & Tension

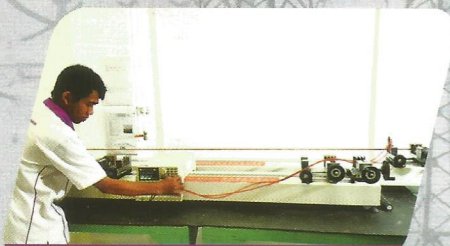
Force gauge, tensile strength, load cell

Temperature

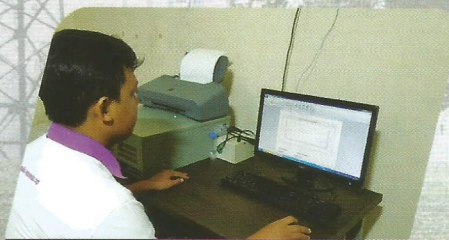
Oven, furnace, incubator, thermocouple, chamber, thermometer recorder

Volumetric

Flask, pipette, glassware, burette, measuring cup



Conductor Resistance Test



Smoke Emmision Test



Torsion and Wrapping Test of Wire

Scan to learn more about
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