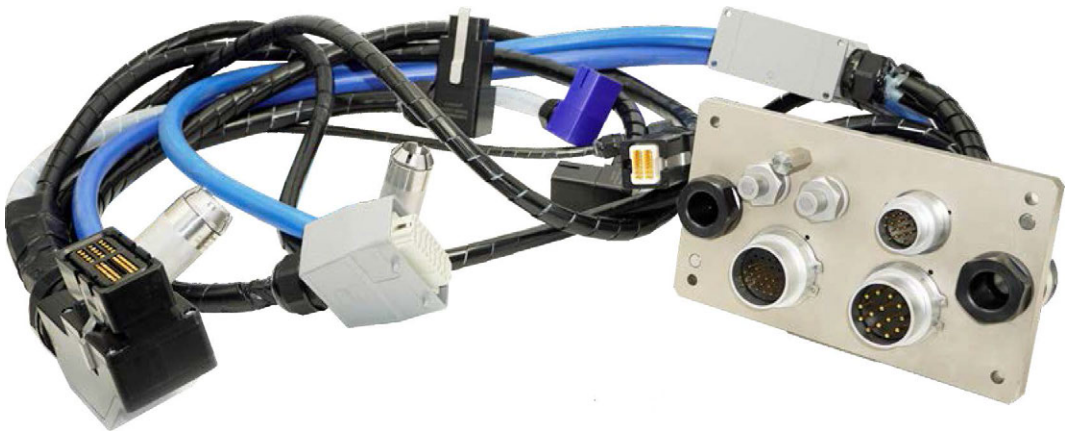
LANGAN®



Introduction of Testing Wiring Harness







LangAn(Tianjin)Technology Co.,Ltd

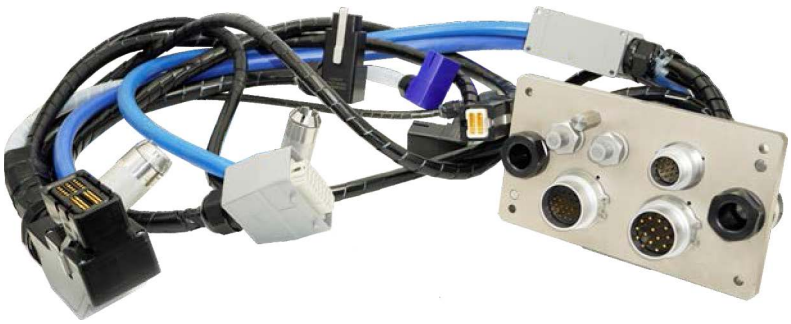
Address: No.21 Huaming street, Huaming High-tech Industrial Zone, Dongli District, Tianjin China
Postal Code: 300300
http: //www.longentest.com
Tel: +86(0)22-84823858
Fax: +86(0)22-84823858-605
Email: info@longentest.com.cn

1st version, 2024

LANGAN® Testing Wiring Harness

Overview

Testing wiring harness is composed of a quick connector, electrical pins, a cable jumper and sleeves. It is used to transfer power & signal between testing equipment and test piece. It is durable and suitable for quick and frequent connection and disconnection within short time.



Testing wiring harness

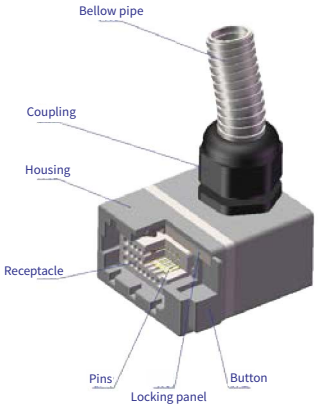


Illustration of Quick Connector in Wiring Harness

Difference between testing wiring harness and standard wiring harness

Testing wiring harness is commonly used for performance testing in equipment, such as engine, transmission, & E-mobility and so on. It could withstand rapid and frequent connection & disconnection. It is featured by durability, bending resistance, water, oil & high temperature resistance. For example hot test or a cold test need to be done before delivery in order to secure quality. Testing wiring harness is used to transfer electrical signal between engine and testing equipment. It will be connected or disconnected from dozen times to hundreds times by daily basis.

Standard wiring harness is usually applied in the working condition, where there is no demand for TAKT time & repeated connection and disconnection. It is a plastic molding part with a clamp in general. For example standard wiring harness which is assembled in the car's engine, is usually in a fixed and static state. Only few connection and disconnection will be conducted during maintenance and repair.

Ordering

Normally we need the following information when ordering:

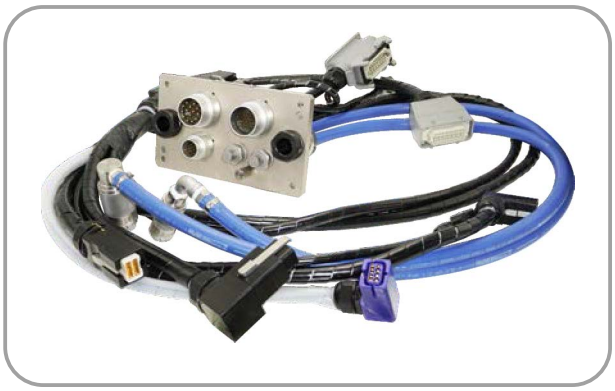
- Description of application
- Electrical wiring diagram
- Drawing of customer's test piece、3D model or test piece

Applications of quick connection system and testing wiring harness

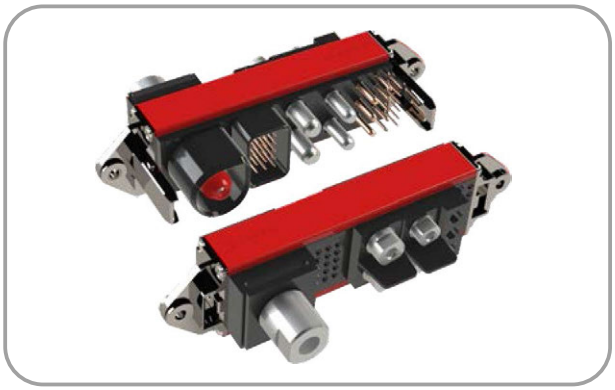












Electrical Testing Connectors for New Energy Sector

Liquid Cooling Connector with High Current for Transmission

Current: 400 A





HVC Connector

Current for Testing: 8 A

Withstand Voltage: 800 V

High Voltage Testing Connector

Peak Current: 200 A
Voltage: 3000 V

With Temperature Detection & Air Cooling





Front Drive Power Connector

Peak Current: 100 A

Withstand Voltage: 3000 V

E-Mobility High Voltage Testing Connector

Peak Current: 340 A

Voltage: 3000 V





E-Mobility High Voltage Testing Connector

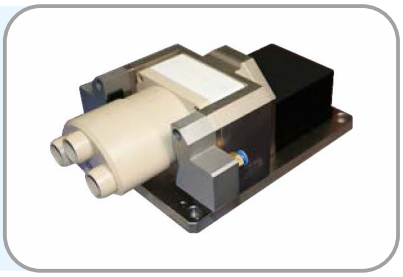
Peak Current: 400 A

Withstand voltage: 5000 V

Automatic High Voltage Connector

Peak Current: 450 A

Floating: ±2mm





Manual High Voltage Connector with 3 Phase Busbar

Current: 500 A

DCDC Testing Connector

Peak Current: 100 A

With Voltage Protection
Floating: ±2mm on X/Y Plane





AC High Voltage Testing Connector

Withstand voltage: 5000 V