



FINECABLES

FINECABLES ENTERPRISE COMPANY

www.finecables.com



B.C.E. s.r.l.

Via Regina Pacis, 54/c - 41049 SASSUOLO (MO) Italy
Tel. +39 0536 811.616 r.a. - Fax +39 0536 811.500
www.bce.it - E-mail: bce@bce.it



INDUSTRIAL CONNECTORS
For Automation and Network Solutions

We are all water-proof!



FINECABLES,
Conception, Connection & Communication.



Company Profile

Born for connection!

FINECABLES is a high quality industrial connector manufacturer and also a customized solution provider, founded in 2003. Our diversified production of cable assemblies and connectivity products covers not only industrial connectors, but also a wide range of electronic interconnection and data networking. Our goal is to become your one stop OEM / ODM source for all your interconnectivity solutions. Our specialty is cabling and connecting to customer's specification. To achieve this goal in an industry where there is an increasing downward pressure on prices and a need to quickly bring products into market, we have recognized that we must offer four key benefits to our business partners, which have become the cornerstone of FINECABLES's mission:

- High quality products at a low cost
- Effective communication and rapid response
- Early design-in capability
- Globalization, localization of operation and management



FINECABLES' products and service :

- IEC61076-2-101 Standard M5 / M8 / M10 / M12 / M16 / 7/8" / M23 circular sensor/actuator connectors.
- DIN EN 175301-803 Standard DIN connectors.
- IP67/68 industrial ethernet connectors, RJ-45, USB, UHF.
- IP67/68 D-Sub connector.
- NTC, PT-100, PT-1000 thermal sensor assemblies.
- Customized wire harnesses and cable assemblies.
- Total solution services including related technical parts sourcing and assembling service, design assistance, test assistance.

Made to be connected!



Circular Connector & Assemblies

FINECABLES' high-reliability circular connectors are designed for harsh and critical applications.



M5,M8

FINECABLES provides with almost unlimited circular connector and cable combination, which are suited for various industrial applications of signals, data and power. Its circular connectors cover the range of molded and assembly type, straight and angled, shielded and unshielded:

- at a wider option of 2~17 pos configuration
- M5, M8, M12 and 7/8" for sensor / actuator connections
- M16, M23 and transmission of analog and digital signals



M12

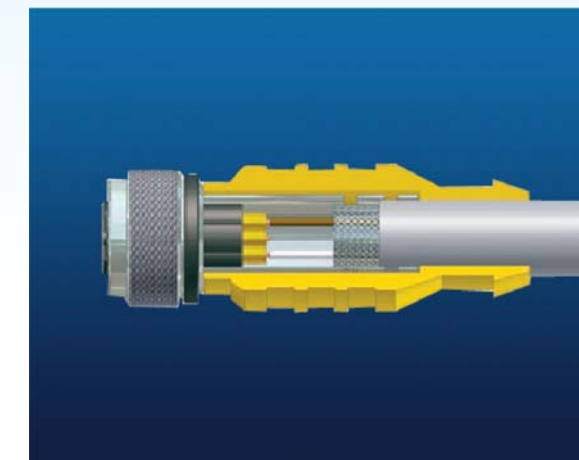
M12 Y/T Distributors

Y distributors or T distributors double the possibility of connecting double-occupied sensor/actuator boxes. The M12/M8 adapters make it possible to increase the flexibility of the connection. When plugged in, the connections fulfill the requirements of IP67 protection.



M8/M12 shielded cabled connector

For more availability and safety. EMC requirements in sensor technology are becoming increasingly strict. Electrically "harsh paths" have to be bridged and sensitive signals protected. The assembled signal lines with M12/M8 plug connectors have a shielding wire mesh, ensuring interference-free transmission of signal. 3 to 8-wire conductors with male or female contacts can be supplied either as angled or straight versions.





M16,7/8",M23

M16/7/8"/M23 waterproof circular connector

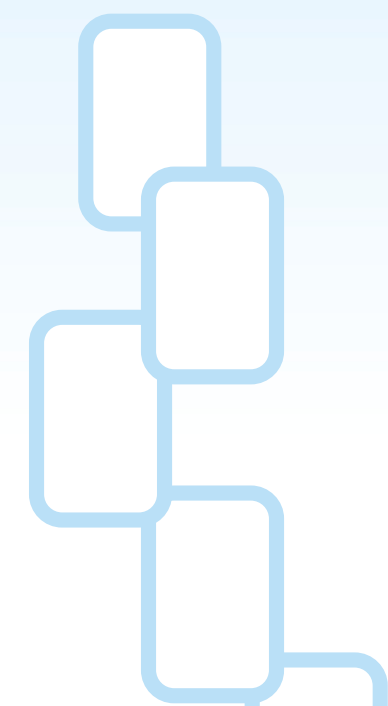
- Both for signal and heavy duty transmission
- Metal shell with good EMC function
- Harsh environment proof, rated IP67
- Excellent construction for a easy assembly

Features and benefits

- IP67, IP68, IP69K rated connector interface
- IEC61076-2-101 standard plug design
- Excellent construction and easy mating and assembly
- Satisfy sensor / actuator devices requirements
- Various connector and cable combination
- Varying polarity choice
- Contact pin gold-plated
- Operating voltage UC 250V, rated current 1~8A
- Ambient temperature: -25°C~ 90°C
- Fixed screw, snap-in, hex-fixed, and quick-locking is available

Applications

- Process and automation control
- Actuators / sensors / devices
- Automotive etc.

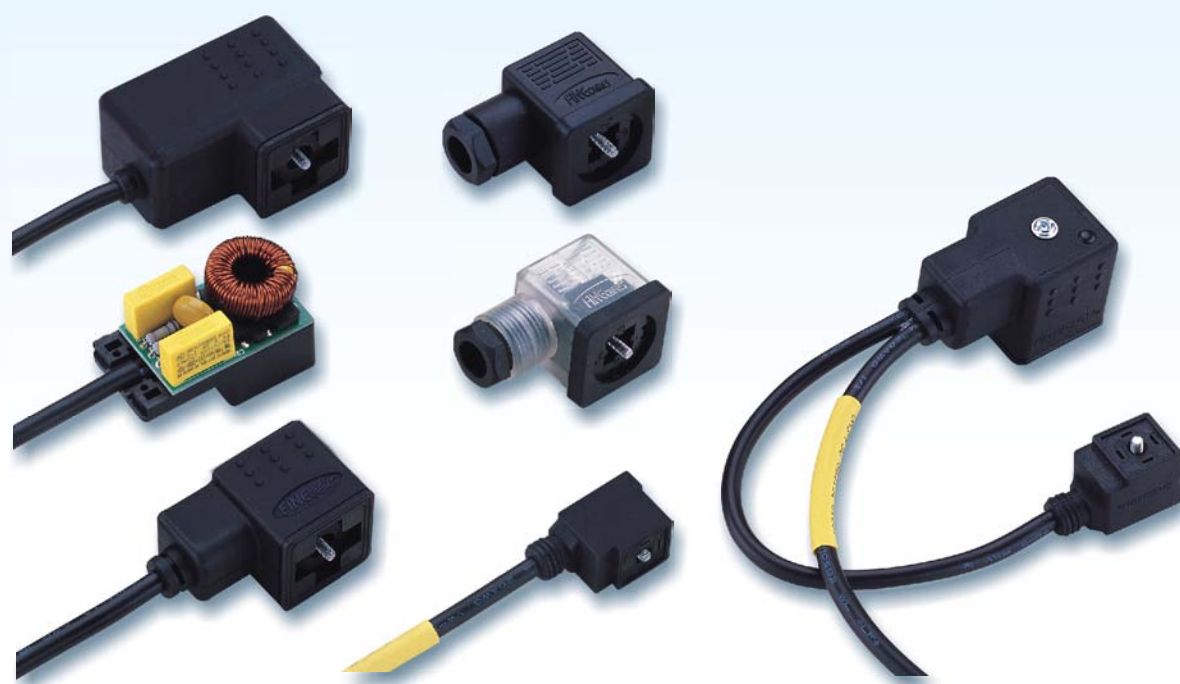


DIN Valve Rectangular Connector

Meets the new generation Form A, B,C DIN Valve Connectors with unsurpassed IP67 sealing performance and superior cable retention, designed to improve performance and reliability and reduce overall applied costs in hydraulic, pneumatic and electro magnetic devices.



The connector has an external nut to provide greater and consistent torque which ensures good cable retention and high reliability. Together with the integrated front gasket, FINECABLES DIN connectors achieve a sealing performance from dust and water to IP67. Traditional valve connectors are supplied to the customer pre-assembled, requiring disassembly before terminating the cable. The new generation of connectors is supplied in single set, or bulk components reducing dis-assembly time and cost. The connectors can accommodate PG9 and PG11 cable and up to 9mm cable outer diameter and since one size fits all the customer can reduce their connector inventory. The result is a higher performance and lower overall cost solution. To further reduce labor, pre-terminated and over molded DIN connectors are also available in stand lengths.



Valve plug connectors with surge protection

- Vales plugs are used wherever actuators such as valves, pressure switches ect. are used. FINECABLES' valve plugs contains surge protection that limits interferences directly at the point of occurrence.
- An integrated LED displays the current operating status of the valve.



Features and Benefits

- IP67 sealing performance from dust and waterproof.
- Product is supplied in a ready-to-use condition
- Integrated front gasket within the housing
- Gasket cannot be lost and sealing properties are achieved
- Plus / minus screw head on terminal
- High reliability in harsh environment
- LED display is available
- Enables the use of air tools in a volume production environment
- Operating voltage UC 250V, Rated current max 6A
- Ambient temperature: -40°C~ 125°C

Applications

- Complex machine builders
- Cylinders
- Hydraulic valves
- Pneumatic valve
- Pressure switches
- Robotics
- Solenoid valves
- Transducers
- Garbage trucks
- Truck crane and lifting equipment



Industrial data connectors

Reliably connect to ethernet devices, even in harsh environments

In automation technology, industrial ethernet is increasingly used. FINECABLES now leads the standard connector of the office room into the rough industrial fields and also offers special solutions for cabling with copper and fiber optics.

- IP67/68 waterproof industrial ethernet with M12 or RJ45 connectors
- IP67/68 waterproof USB 2.0, Mini-DIN, fiber optic, and D-sub connection systems
- IP67/68 waterproof UHF connector

Features and benefits

- IP67/68 rated connector interface
- Adapted to: INTERBUS, PROFIBUS, CANopen and DeviceNet.
- Excellent construction and Easy mating and assembly
- Standard and customized cable assemblies
- High reliability in harsh environment
- Plastic, metal and customized shell options
- Ambient temperature: -20°C ~ 90°C

Applications

- Automation control
- Defense and security work
- Outdoor telecom
- Oil exploration
- Display boards
- Retail stores

Wire harnesses & cable assemblies

FINECABLES meets the need for power and signal connectivity in Industrial fields, Audio Video application and PC peripherals with cable assemblies and connectors.

FINECABLES can be your One Source for all your custom and standard cables needs. We provide with a wide range of standard and customized wire harnesses and cable assembly for both power and data transmission solutions and consist of various types and sizes of wire, solder and crimp type terminals and pins, along with various electrical components specified by our customer. FINECABLES harnessing capabilities providing with a total interconnect solution to meet your cost and performance needs.

Features and benefits

- Over molded internal and external
- Mechanical and electrical design, development, test and prototype support
- Low mating force
- Polarized housings
- Customizable features
- Complete electrical and functional testing
- Special testing requirements
- UL/ CE/ ISO certified

Applications

- Telecommunications
- Automotive aftermarket
- Home appliances
- Business machines
- Medical
- Air conditioners
- Construction signs
- Automation industries
- Security systems
- Lighting system



Temperature sensor cable assembly

Ideal for HVAC system with an accurate temperature control.

- ODM/OEM service, enables to keep track of the temperature in and outside a building.
- Product range includes NTC, PT100, PT200, PT500 and PT1000 sensors.
- Available in a wide range of coating and mounting versions.



Features and benefits

- Room temperature sensors
- Outside temperature sensors
- Duct temperature sensors
- Immersion temperature sensors
- Clamp-on temperature sensors
- Room humidity sensors
- Duct humidity sensors
- Outside humidity sensors
- Black bulb radiant room temperature sensors
- High temperature sensors

Applications

- Air conditioning and fresh ventilation system
- Sewage system
- Electrical monitoring and energy management system
- Refrigerators, electrical water drinkers, shower machines
- Meters temperature compensation in medical care, chemistry,

Total Solutions Provide (TSP)

Provide customers with complete solutions including technical parts, design assistance, customized final test and packing and logistic assistance services.

Features and benefits

- Well-understanding of the philosophy in industrial connectivity.
- Design assistance and prototype buliding.
- Mold design and plastic injection.
- Metal parts and processing.
- PCB and PCBA assemblies.
- Final products test and assembly & packing .

Send us your requirements or ideas and we do the production inclusive

- Material procurement 100%.
- PCB Assembly.
- Metal parts.
- Moldings design, plastic injection.
- Wiring and harnessing (incl. design).
- Final testing and packing (concept and realization) .

