



TECHNOLOGY IN CONNECTORS™

INDUSTRIAL CONNECTORS FOR HARSH ENVIRONMENTS



# CONEC<sup>®</sup>

## TECHNOLOGY IN CONNECTORS<sup>™</sup>

CONEC industrial connectors, consist of several circular connector families for the automation markets, plus the ruggedized data connectors RJ45, USB, and the LC fiber optic.

All these connectors are suitable for any application requiring water and dust sealing, physical abuse, ability to tolerate extreme temperatures and numerous chemicals, and even use outdoors.



USA

CONEC industrial line of connectors, are engineered with these features:

- All products are IP67 rated, or better, in the mated condition
- All hardware and components are ruggedized to withstand physical abuse
- Contacts are precision machined types
- All contacts are gold-plated in the mating areas.
- All materials are chosen for resistance to chemicals, temperature, and UV as needed
- All feature mating/latching systems that are resistant to vibration

CONEC products are

- UL listed
- CSA certified
- VDE tested





CANADA



GERMANY

CONEC is a leading manufacturer of connection systems, for high reliability applications.

CONEC has been expanding connectors technology since 1978, and has global presence with sales offices and representatives serving major markets worldwide.

Conec products are used in factory automation machinery, communications systems, test and instrumentation, medical electronics, aviation, and heavy vehicle applications.

All of CONEC's processes are ISO certified and our products are RoHS compliant.

Quality products are assured from design through production, by our extensive in-house testing facilities.





## M8 Overmolded



Female and male connectors  
Screw and snap-in versions  
3 to 8 positions  
Axial and angled  
PVC and TPU cable jackets, standard cross section 0,25mm<sup>2</sup>  
IP67 rated  
shielded version available  
Contacts gold-plated over nickel

## M12 Overmolded



Female and male connectors  
3 to 12 positions  
Axial and angled  
PVC and TPU cable jackets, standard cross section 0,34mm<sup>2</sup>  
IP67 rated  
Contacts gold-plated over nickel  
LED indicators and shielded version available

## 7/8" Overmolded/Round 24



Female and male connectors  
2pos+ground, 4pos, 4pos+ground/3pos+ground  
Axial and angled  
PVC and TPU cable jackets, standard cross section 0,75mm<sup>2</sup>  
IP67 rated  
Contact gold-plated, over nickel  
1,5mm<sup>2</sup> cross section available

## M8 Field Attachable



Female and male connectors  
3 and 4 positions  
Axial and angled  
Solder version, clamp connection and screw termination  
Wire cross section 0,34mm<sup>2</sup>  
IP67 rated  
Contacts gold-plated over nickel

## M12 /M23 Field Attachable



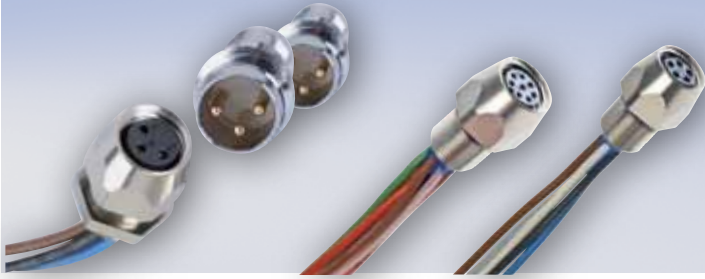
Female and male connectors  
M12: 4 and 5 positions,  
M23: 8 signal +3 power, 16signal + 3 power  
Axial and angled  
M12: Screw termination and clamp connection  
M23: Crimp or solder connection  
Wire cross section: 0,5mm<sup>2</sup> to 0,75mm<sup>2</sup>, IP67 rated  
Contacts gold-plated over nickel  
Shielded version available

## 7/8" Field Attachable/Round 24



Female and male connectors  
2pos+ground, 4pos, 4pos+ground/ 3pos+ground  
Axial  
Screw termination  
Wire cross section: max. 1,5mm<sup>2</sup>  
IP67 rated  
Contact gold-plated over nickel

## M8 Panel Mounted



Female and male connectors  
3 to 8 positions  
Axial with wire termination  
M8x0,5 mounting thread  
Frontmounting and backmounting  
IP67 rated  
Contact gold-plated over nickel  
B-coding versions, frontmounting, 5 pos. available

## M12 Panel Mounted/LED/X-coded



Female and male connectors  
3 to 8 positions  
Axial and angled with wire and solder termination  
PG9, M16x1,5, PCB versions  
frontmounting and backmounting  
IP67 rated  
Contacts gold-plated over nickel

## M12x1 Sockets SMT-Version



Female connectors  
4 and 5 positions  
SMT-termination  
For Reflow soldering  
With and without shielding  
Contacts gold-plated over nickel

## 7/8" Panel Mounted



Female and male sockets  
2pos+ground, 4pos, 4pos+ground  
Axial with wire and solder termination  
PG11, PG13,5  
Frontmounting and backmounting  
IP67 rated  
Contact gold-plated over nickel

## Bus Components/X-coding



Profibus DP and D-SUB Profibus DP, Industrial Ethernet,  
CAN Bus, DeviceNet, X-coding  
Overmolded, field attachable, panel mounted,  
Terminating plugs, panel plugs,  
Y-junction, Female and male, Positions depending on bus type  
PVC or TPU cable jackets  
IP67 rated, Contact gold-plated over nickel

## M12 + M8 Food+Beverage and High Temperature



Specialty versions, for F+B and HT applications  
F+B materials to withstand sanitation washdowns  
HT versions for sustained HT conditions  
Overmolded and panel mounted versions,  
Junction boxes (only F+B)  
3 to 5 positions  
IP69K rated (Food+Beverage), IP67 (High Temp) rated  
Contacts gold-plated over nickel



## Junction Systems



Female and male connectors  
Different number of positions  
Y-junction, Duo-junction, T-junction, Junction boxes  
IP67 rated

## M12/M8 Panel Plugs



Male plugs  
3 to 8 positions  
PC tail or solder cups  
IP67 rated  
Contact gold-plated over nickel  
Plastic, semi-metal, full metal versions

## Valve plugs



2-pos+ground or ground bridged  
With and without protective circuit  
Type A - B - C  
IP67 rated  
Special application on request

## RJ45 Receptacles



Bayonet coupling  
Housing in black plastic, metallized plastic, or zinc diecast  
Square flange available and also M28  
IP67 rated  
Cat.5e, 6a  
Couplers, IDC or PCB terminations  
Plastic housing in colors available on request

## RJ45 Plug Kits



Bayonet coupling  
Housing in plastic, metallized plastic, or zinc diecast  
on request mit M28  
Cat. 5e, 6A  
IP67 rated  
cable assembly on request

## USB 2.0 Receptacles



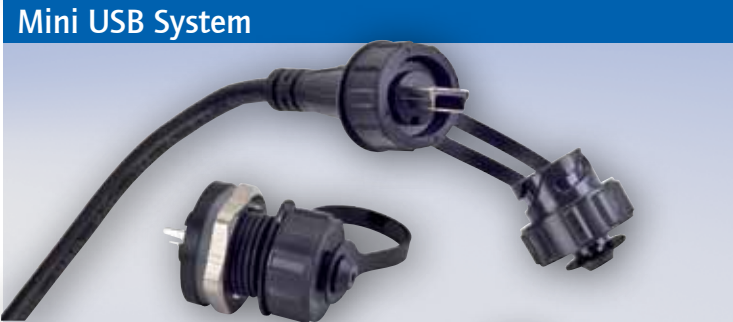
Bayonet coupling  
Housing in black plastic or zinc diecast  
IP67 rated  
Pass-through coupler design  
Plastic housing in colors available on request

## USB 2.0 Plug kits



Bayonet coupling  
Housing in plastic, or zinc diecast  
IP67 sealed

## Mini USB System



Compact bayonet coupling  
Panel receptacles  
Matching plug kits or complete patch cable  
All ruggedized for industrial use  
IP67 rated

## RJ45 or USB IP67 Cable



Bayonet coupling  
Housing in plastic, or zinc diecast  
IP67 rated  
Cat 5e, 6a for RJ series  
Plug kits or cable assemblies  
Cable for outdoor use

## Fiber Optic LC Panel Mount Coupler



Bayonet coupling  
LC Duplex  
IP67 rated  
Multi-mode, single-mode and APC-types  
Includes protective caps

## Fiber Optic LC Plug Kits



Bayonet coupling  
Multi-mode, single-mode and APC-types  
Includes latches and strain relief



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