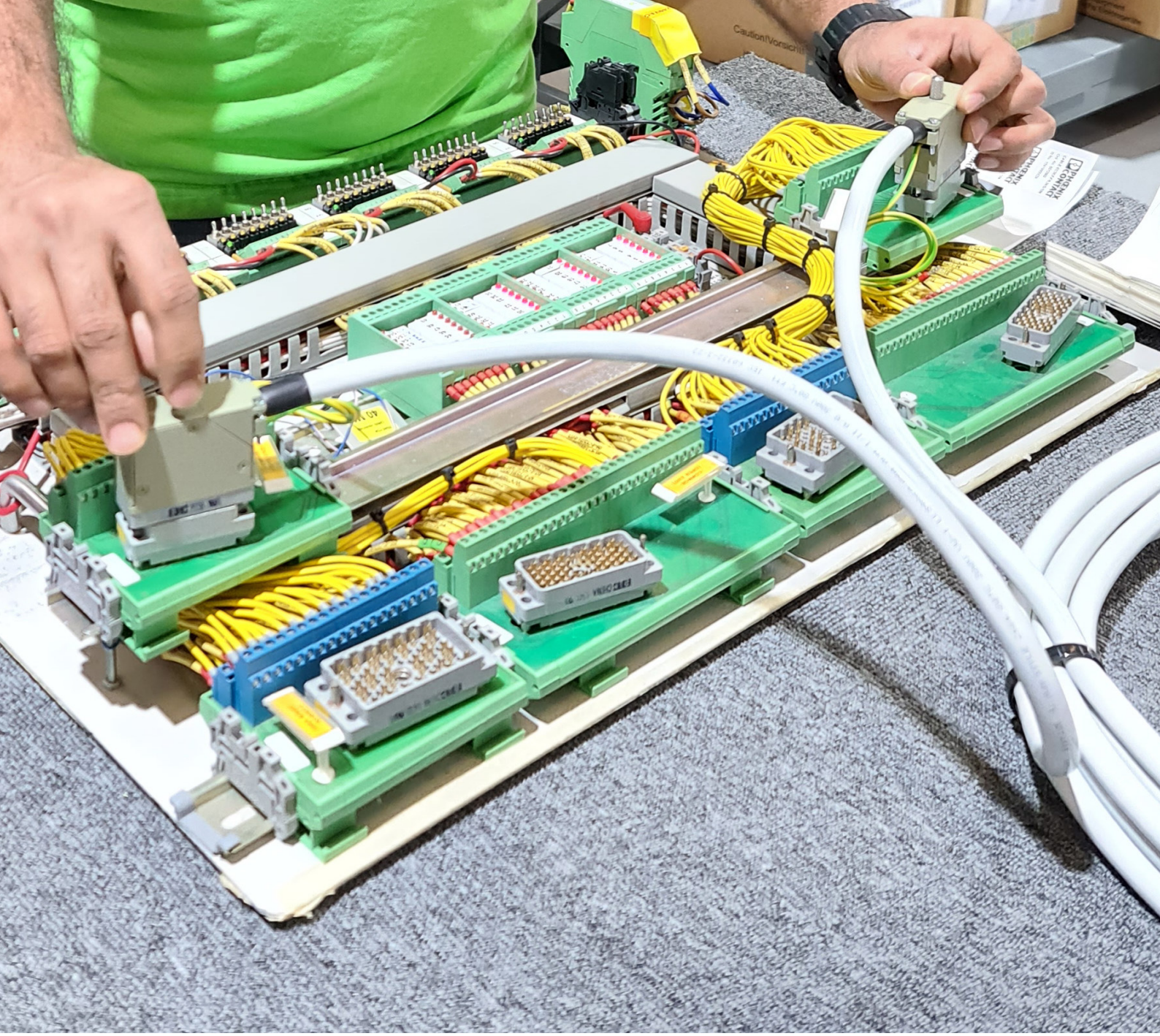
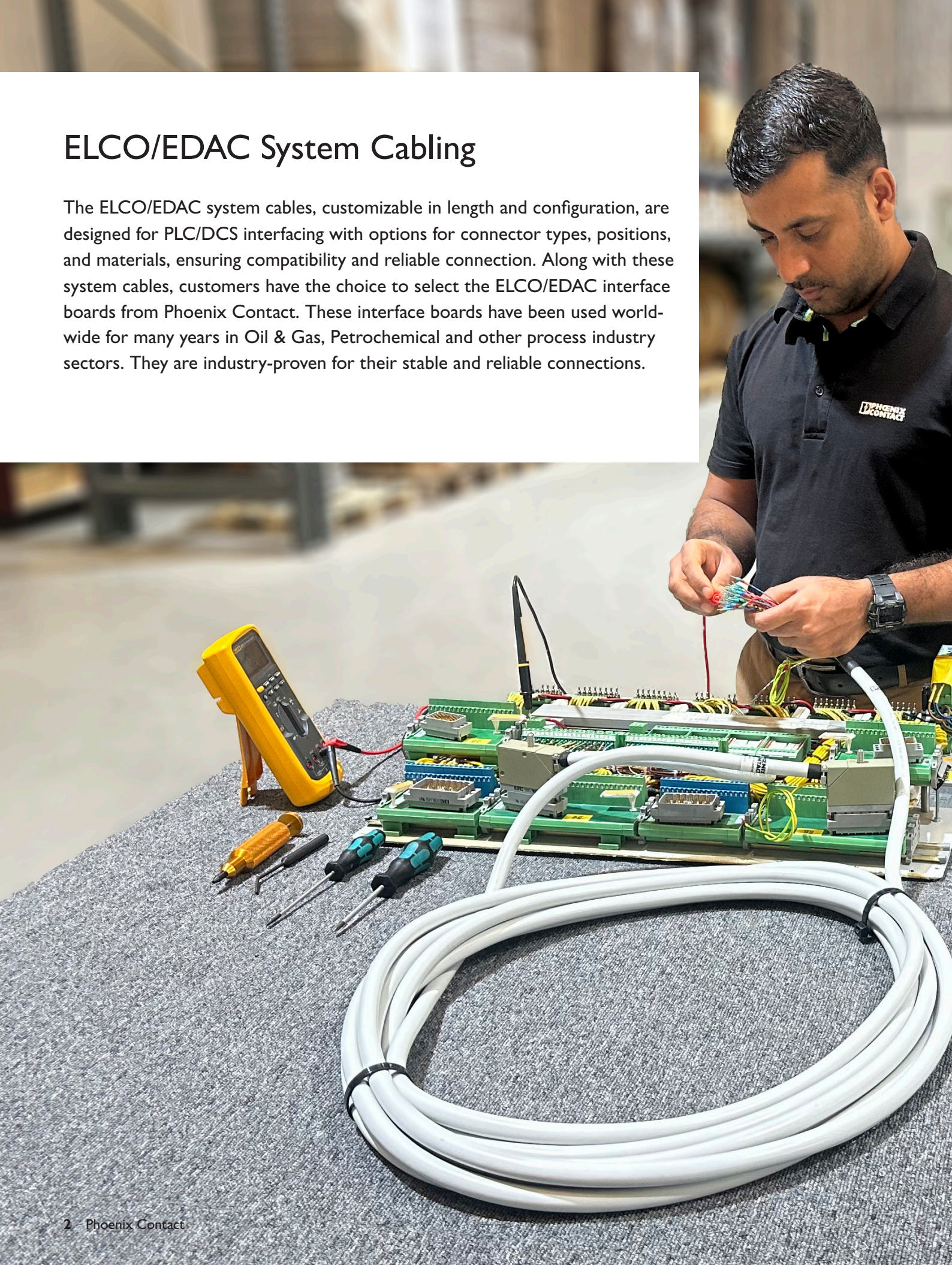


ELCO/EDAC

System Cabling

ELCO/EDAC System Cabling

The ELCO/EDAC system cables, customizable in length and configuration, are designed for PLC/DCS interfacing with options for connector types, positions, and materials, ensuring compatibility and reliable connection. Along with these system cables, customers have the choice to select the ELCO/EDAC interface boards from Phoenix Contact. These interface boards have been used world-wide for many years in Oil & Gas, Petrochemical and other process industry sectors. They are industry-proven for their stable and reliable connections.



Connect the components of your automation system quickly and without errors

The ELCO/EDAC system cables are primarily used for interfacing between system and marshaling cabinets in typical PLC or DCS projects. They are compatible with EDAC connectors from the 516 series or ELCO connectors from the 8016 series. These cables transmit digital or analog signals to and from a control system. These highly flexible, preassembled multi-core cables are available with ELCO/EDAC socket-type connectors at both ends or with open leads on one end. The cables are of the shielded type and include a 1.0 mm² shield lead (GN/YE) that is 0.5 m long at both ends.

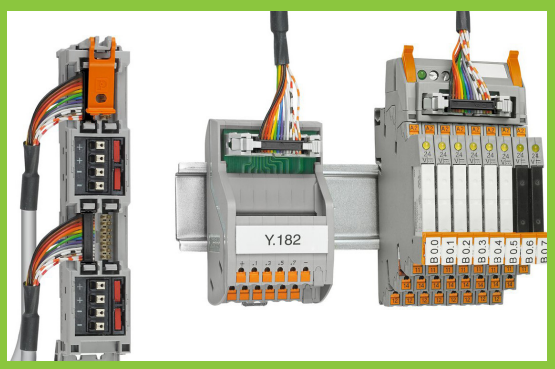
Your advantages

- ☑ Two core types are available: 38-position and 56-position.
- ☑ The length of the cable can be ordered in increments of 5 meters.
- ☑ The length and configuration of the cable can be customized according to customer requirements.
- ☑ The cables are available in standard versions (PVC) or halogen-free.
- ☑ Cables used with standard EDAC/ELCO systems are UL-recognized.

Configurator: System cabling for controllers

The VARIOFACE system cabling enables time-saving and error-free connection to I/O modules. Thanks to plug-in PLC front adapters, system cables, and signal termination boards, you can devise your wiring solution.

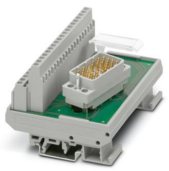
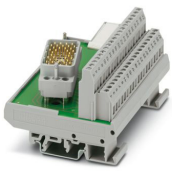
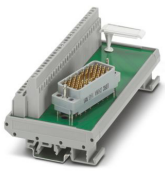
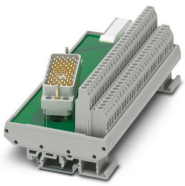
Configure your individual wiring solution:
phoenixcontact.com/en-ae/configure/system-cabling-for-controllers



System cabling for controllers

ELCO/EDAC Interface Modules

These modules can be used to connect connectors of the pin strip type 8016 series of ELCO or pin strip type 516 series of EDAC connectors to screw connection terminal blocks. Thanks to the slanted placement of the ELCO/EDAC connector, the cables that are fed out of the side of the cable housing are led away without affecting the neighboring modules. Two types of interface modules are available: 38-pos. and 56-pos., with two styles of orientation, left and right.

Varioface Interface Modules				
				
	UMK- EC38/38-XOL - Interface module	**UMK- EC38/38-XOR - Interface module**	**UMK- EC56/56-XOL - Interface module**	**UMK- EC56/56-XOR - Interface module**
Item no.	2976284	2976297	2975890	2975900
No. of positions	38	38	56	56
Connection 1 (control level)	Screw connection	Screw connection	Screw connection	Screw connection
ELCO pin strip type	8016	8016	8016	8016
EDAC pin strip type	516, left	516, right	516, left	516, right
Connection 2 (field level)	EDAC / ELCO pin strip 1x 38-position	EDAC / ELCO pin strip 1x 38-position	EDAC / ELCO pin strip 1x 56-position	EDAC / ELCO pin strip 1x 56-position
Dimensions (WxHxD mm)	101.5 x 77 x 58.5	101.5 x 77 x 58.5	157.5 x 77 x 58.5	157.5 x 77 x 58.5

System cable with ELCO/EDAC connector at both ends

Assembled system cable for connecting 38-pos. or 56 -pos. EDAC connectors from the 516 series or ELCO connectors from the 8016 series.

– Series 516 EDAC socket connectors at both ends
– Metal housing with lateral cable outlet
– Coding sockets in location 1 by default
– Shield connection at both ends
– Standard (PVC) and Halogen Free versions available
– Conductor cross-section AWG 22 / 0.34 mm²
– Standard lengths in the variable of 5 meters
– Variable lengths available upon request
– Customization according to project requirements

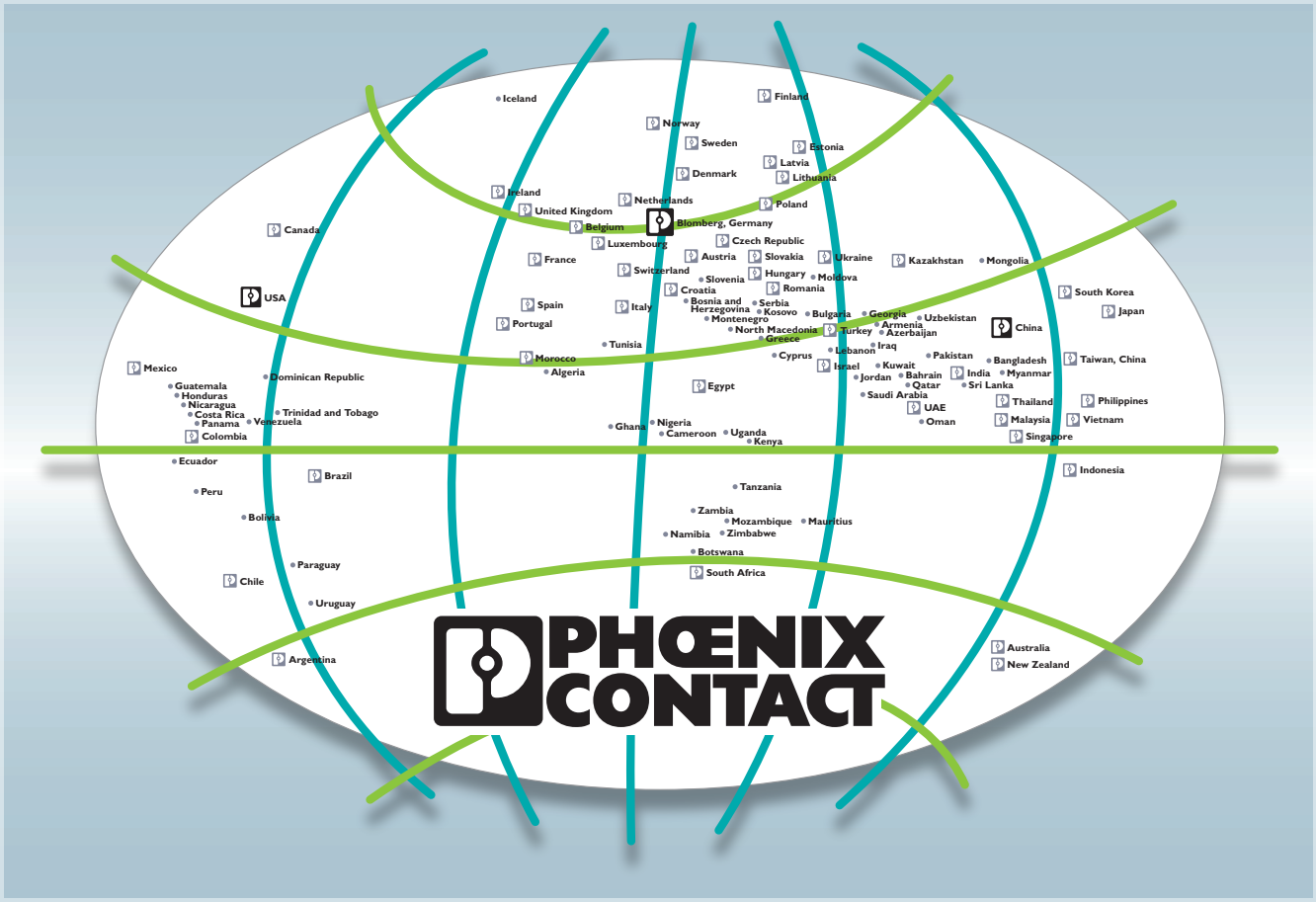


System cable with ELCO/EDAC connector at one end

Assembled system cable for connecting 38-pos. or 56 -pos. EDAC connectors from the 516 series or ELCO connectors from the 8016 series.

– Series 516 EDAC socket connectors at one end
– Metal housing with lateral cable outlet
– Coding sockets in location 1 by default
– Open-end at the other end (Flying leads)
– Single wire marking at the open-end leads
– Shield connection at both ends
– Standard (PVC) and Halogen Free versions available
– Conductor cross-section AWG 22 / 0.34 mm²
– Standard lengths in the variable of 5 meters
– Variable lengths available upon request
– Customization according to project requirements





Open communication with customers and partners worldwide

Phoenix Contact is a global market leader based in Germany. We are known for producing future-oriented products and solutions for the electrification, networking, and automation of all sectors of the economy and infrastructure. With a global network reaching across more than 100 countries with over 20,000 employees, we maintain close relationships with our customers, something we believe is essential for our common success.

Our wide range of innovative products makes it easy for our customers to implement the latest technology in a variety of applications and industries. This especially applies to the target markets of energy, infrastructure, industry, and mobility.

Scan QR Code

You can find your local partner at

phoenixcontact.com

PHOENIX CONTACT