

ix INDUSTRIAL

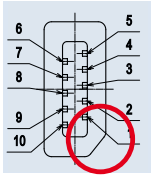
 Data, Network & Bus Technology

ix Industrial

ix CODED (acc. to IEC 61076-3-124)

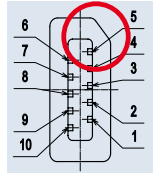
A-coded

Cat 6_A Ethernet Communication



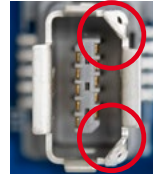
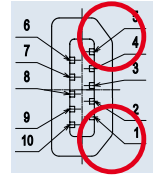
B-coded

Signal, Serial or Bus Transmission



C-coded

Cat 6_A Ethernet Communication



Plug

Socket

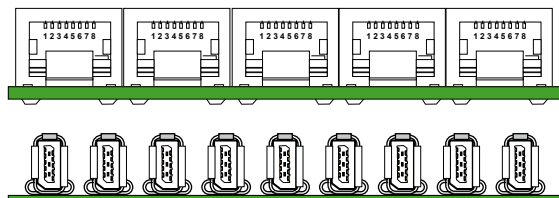
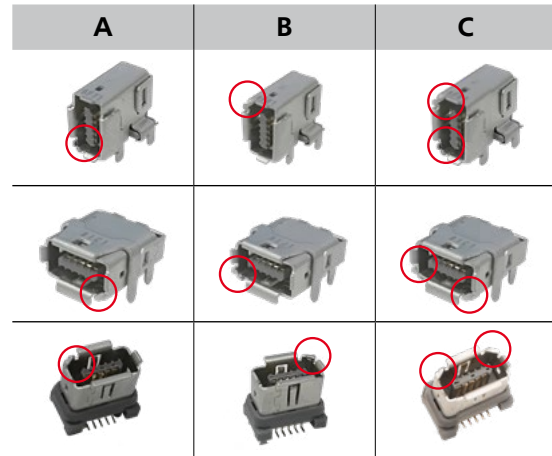
SOCKET HOUSING

On the circuit board side - in all codings and outlet directions

One ix socket only requires approx. 25% space on the circuit board compared to a classic RJ45 socket. If ix sockets are used side by side upright on the circuit board, then nine sockets can be placed where only five RJ45 sockets are available.

Space Saving

smaller circuit boards & socket housing possible



STANDARD PLUG CONNECTOR VERSION

ix plugs for cable assemblies in all codings straight and 90° angled



Solder version AWG 22-28



Insulation-displacement connector AWG 26-28



Insulation-displacement connector AWG 24-26

Insulation-displacement connector AWG 22

Solder version for AWG 22-28 cross-section



Insulation-displacement connector for AWG 26-28 or 24-26



■ SUITABLE CABLES

HELUKAT® PROFINet A fixed installation + robust 2x2xAWG22/1 PVC

Part no. 800653



HELUKAT® PROFINet B flexible 2x2xAWG22/7 PVC

Part no. 800654



HELUKAT® PROFINet C highly flexible 2x2xAWG22/7 PVC + PUR

Part no. 802914 / 800655



HELUKAT® drag chain Eco 100S Cat 5e SF/UTP 4x2xAWG26/19 PUR

Part no. 82839



HELUKAT® Robustflex 600IND Cat 7 S/FTP 4x2xAWG26/7 PUR

Part no. 802184



■ ASSEMBLY COMBINATIONS

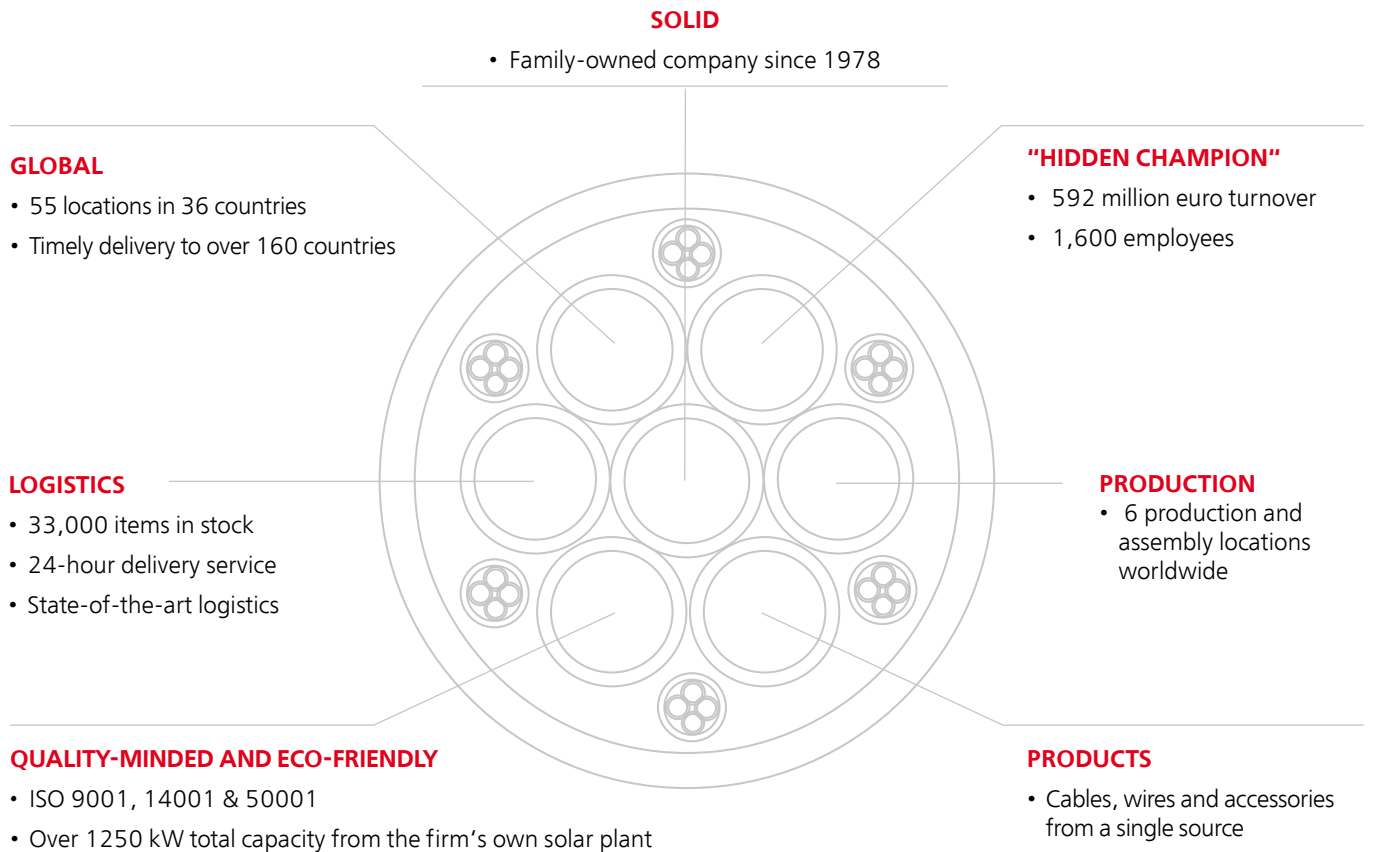
Cable-Side A	Cable-Side B	Note
ix Industrial a, b or c coded*	ix Industrial	A, B or C coded two-way plugs available straight, angled at 90° or mixed combination, e.g. Side A coded with Side C optional
	RJ 45	two-way plug straight or angled at 90°
	M12 d-coded	straight or angled at 90°, plug or socket (only M12)
	M12 x-coded	straight or angled at 90°, plug or socket (only M12)

* ix Industrial socket possible in approx. quarter 3-4/2020

■ APPLICATIONS

Application				
Camera technology (Monitoring of production workflows)	Drive systems e.g. Beckhoff	Drive systems e.g. B&R	Drive systems e.g. Siemens	Automotive Ethernet (Prototype construction, development)
Practical example (please scan the corresponding QR code using a relevant app)				

■ WHAT SETS US APART



■ CONTACTS

Have questions about ix Industrial and Industrial Ethernet? Your contact at HELUKABEL:

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