MERCATOR

Servo, Encoder, & Hybrid Cables

ASSEMBLIES FOR DRIVE TECHNOLOGY

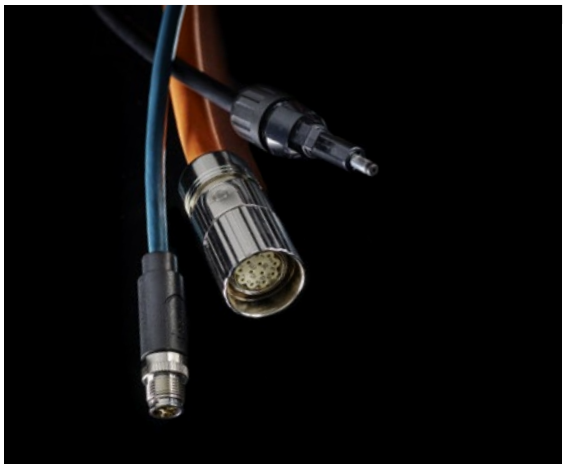
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Mercator - ambasador Helukabel Polska

The Right Connector for Every Cable

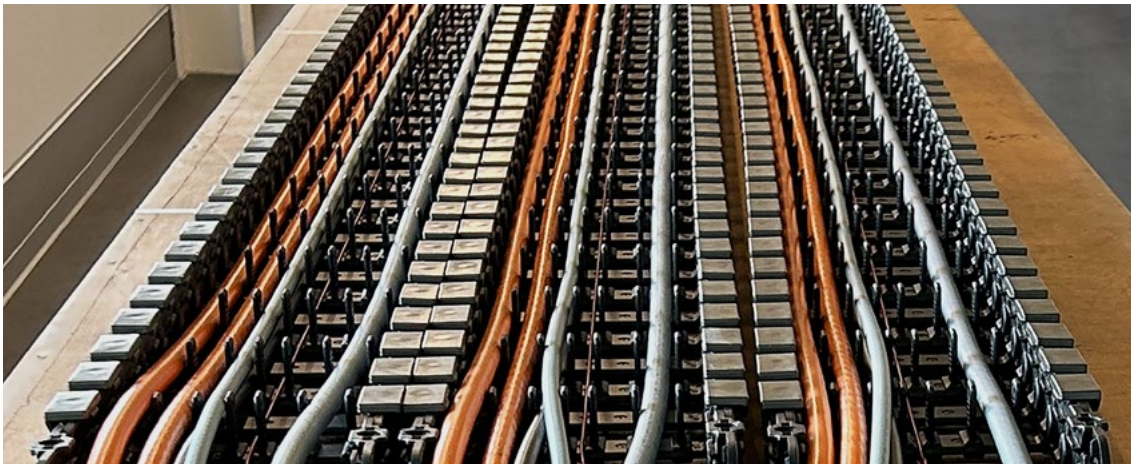
HELUCHAIN® ASSEMBLIES





In modern industry, precise and reliable cable assemblies are indispensable in ensuring smooth and efficient workflows.
At HELUKABEL, we offer individual cable assembles and installation modules that are perfectly tuned for your specific needs. From planning to realisation, we are by your side as a key partner to assist in the smooth and efficient execution of your project.

Our HELUCHAIN® assemblies are manufactured at multiple factories around the globe according to the most current standards. This allows us to ensure short delivery times, flexibility in design according to individual needs, and the proven quality of our products.



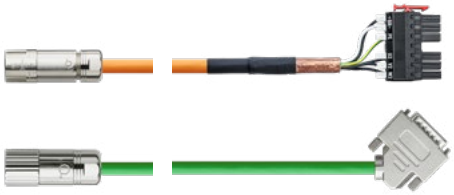
WHAT SETS OUR ASSEMBLIES APART

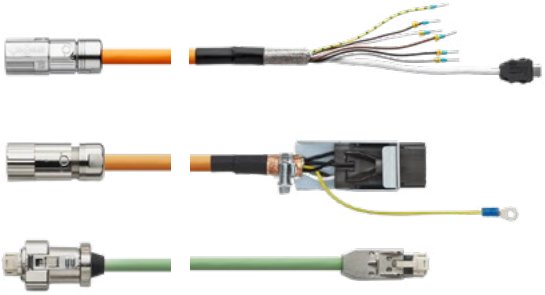
- **Custom solutions:** Thanks to our extensive portfolio of motor, encoder, and data cables, we are able to offer standard and custom solutions, and even customer-specific labels and packaging.
- **Efficiency through automation:**Highly precise and reproducible designs thanks to the most modern machines, including automatic cutting, stripping, and winding.
- **Flexibility & availability:** Automated warehousing enables quick access times and the highest delivery security, which is ideal for time-sensitive projects.
- **High standards for quality:** We perform tests on all assemblies such as high-voltage tests, crimp & pull tests, and microsection analyses for maximum safety and traceability. Certified according to DIN ISO 9001:2015 & UL.
- **Sustainability:** Our commitment to sustainability is evidenced by our sustainable production methods, environmentally friendly packaging, and consistent, single-origin waste separation.

Assemblies for Drive Technology

As a leading international manufacturer and supplier of electrical connection technology, we also specialise in manufacturing pre-assembled cables for drive technology. Our portfolio includes assemblies for all common drive systems from various OEMs, starting at one metre lengths, with short lead times and in the PVC and PUR qualities you expect.

HIGHLIGHTS FROM OUR STANDARD PORTFOLIO





Assemblies for drive technology

Product name	Properties
TOPSERV® CONNECTING SYSTEMS PVC Siemens 5DN06	Acc. to Siemens standard 6FX5002, PVC-sheathed cable with UL/CSA, 100,000 bending cycles, flame-retardant PVC
TOPGEBER® CONNECTING SYSTEMS PVC Siemens 2EQ10	Acc. to Siemens standard 6FX5002, PVC-sheathed cable with UL/CSA, 100,000 bending cycles, flame-retardant PVC
TOPSERV® Hybrid CONNECTING SYSTEMS PUR Siemens 8QN04	Acc. to Siemens standard 6FX8002, drag chain cable with UL/CSA, 5 mil. bending cycles, PUR sheath, halogen free
TOPSERV® CONNECTING SYSTEMS PUR Siemens 5DS01	Acc. to Siemens standard 6FX8002, drag chain cable with UL/CSA, 5 mil. bending cycles, PUR sheath, halogen free
TOPGEBER® CONNECTING SYSTEMS PUR SIEMENS 2DC10	Acc. to Siemens standard 6FX8002, drag chain cable with UL/CSA, 5 mil. bending cycles, PUR sheath, halogen free





Assemblies for bus technology

Product name	Properties
Industrial Ethernet HELUKAT® 200 IND SF/UTP	Cat. 5e 4x2xAWG26/7, with PUR sheath for flexible use, with RJ45 plug on both sides
PROFINET C	2x2xAWG22/7, with PUR sheath for drag chains, UL CMX 75°C, with M12, d-coded, straight or angled plug

Learn more about our comprehensive assemblies for bus technology.

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Assemblies acc. to SIEMENS standards

SINGLE-CABLE SYSTEMS (STATIC APPLICATIONS)



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX5002-8QN04	8QN04 PVC	M12 Speedtec plug	(4x0.38+2x0.38+4x0.2)	IX, ferrules
6FX5002-8QN08	8QN08 PVC	M17 Speedtec plug	(4x0.75+2x0.5+4x0.2)	IX, ferrules
6FX5002-8QN11	8QN11 PVC	M23 Speedtec plug	(4x1.5+2x1.5+4x0.2)	IX, ferrules

SINGLE-CABLE SYSTEMS (DYNAMIC APPLICATIONS)



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX8002-8QN04	8QN04 PUR	M12 Speedtec plug	(4x0.38+2x0.38+4x0.2)	IX, ferrules
6FX8002-8QN08	8QN08 PUR	M17 Speedtec plug	(4x0.75+2x0.5+4x0.2)	IX, ferrules
6FX8002-8QN11	8QN11 PUR	M23 Speedtec plug	(4x1.5+2x1.5+4x0.2)	IX, ferrules

SERVO MOTOR CABLES (STATIC APPLICATIONS)



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX5002-5CN01	5CN01 PVC CRIMP SVS	M23 Speedtec plug	4x1.5	Right-angle crimp plug
6FX5002-5CS01	5CS01 PVC CRIMP SVS	M23 threaded plug nut	4x1.5	Right-angle crimp plug
6FX5002-5DN01	5DN01 PVC CRIMP SVS	M23 Speedtec plug	4x1.5+2x1.5	Right-angle crimp plug
6FX5002-5DS01	5DS01 PVC CRIMP SVS	M23 threaded plug nut	4x1.5+2x1.5	Right-angle crimp plug
6FX5002-5CN11	5CN11 PVC CRIMP SVS	M23 Speedtec plug	4x2.5	Right-angle crimp plug
6FX5002-5CS11	5CS11 PVC CRIMP SVS	M23 threaded plug nut	4x2.5	Right-angle crimp plug
6FX5002-5DN11	5DN11 PVC CRIMP SVS	M23 Speedtec plug	4x2.5+2x1.5	Right-angle crimp plug
6FX5002-5DS11	5DS11 PVC CRIMP SVS	M23 threaded plug nut	4x2.5+2x1.5	Right-angle crimp plug
6FX5002-5CN21	5CN21 PVC CRIMP SVS	M40 Speedtec plug	4x1.5	Right-angle crimp plug
6FX5002-5CS21	5CS21 PVC CRIMP SVS	M40 threaded plug nut	4x1.5	Right-angle crimp plug
6FX5002-5DN21	5DN21 PVC CRIMP SVS	M40 Speedtec plug	4x1.5+2x1.5	Right-angle crimp plug
6FX5002-5DS21	5DS21 PVC CRIMP SVS	M40 threaded plug nut	4x1.5+2x1.5	Right-angle crimp plug
6FX5002-5CN31	5CN31 PVC CRIMP SVS	M40 Speedtec plug	4x2.5	Right-angle crimp plug
6FX5002-5CS31	5CN31 PVC CRIMP SVS	M40 Speedtec plug	4x2.5	Right-angle crimp plug
6FX5002-5DN31	5DN31 PVC CRIMP SVS	M40 Speedtec plug	4x2.5+2x1.5	Right-angle crimp plug
6FX5002-5DS31	5DS31 PVC CRIMP SVS	M40 threaded plug nut	4x2.5+2x1.5	Right-angle crimp plug
6FX5002-5CN41	5CN41 PVC CRIMP SVS	M40 Speedtec plug	(4x4)	Right-angle crimp plug
6FX5002-5CS41	5CS41 PVC CRIMP SVS	M40 threaded plug nut	4x4	Right-angle crimp plug
6FX5002-5DN41	5DN41 PVC CRIMP SVS	M40 Speedtec plug	4x4+2x1.5	Right-angle crimp plug
6FX5002-5DS41	5DS41 PVC CRIMP SVS	M40 threaded plug nut	4x4+2x1.5	Right-angle crimp plug
6FX5002-5CN51	5CN51 PVC CRIMP SVS	M40 Speedtec plug	(4x6)	Right-angle crimp plug
6FX5002-5CS51	5CS51 PVC CRIMP SVS	M40 threaded plug nut	4x6	Right-angle crimp plug
6FX5002-5DN51	5DN51 PVC CRIMP SVS	M40 Speedtec plug	4x6+2x1.5	Right-angle crimp plug
6FX5002-5DS51	5DS51 PVC CRIMP SVS	M40 threaded plug nut	4x6+2x1.5	Right-angle crimp plug
6FX5002-5CN61	5CN61 PVC CRIMP SVS	M40 Speedtec plug	(4x10)	Right-angle crimp plug
6FX5002-5CS61	5CS61 PVC CRIMP SVS	M40 threaded plug nut	4x10	Right-angle crimp plug
6FX5002-5DN61	5DN61 PVC CRIMP SVS	M40 Speedtec plug	4x10+2x1.5	Right-angle crimp plug
6FX5002-5DS61	5DS61 PVC CRIMP SVS	M40 threaded plug nut	4x10+2x1.5	Right-angle crimp plug
6FX5002-5DS13	5DS13 PVC CRIMP SVS	M58 threaded plug nut	4x10+2x1.5	Right-angle crimp plug



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX5002-5CN06	5CN06 PVC	M23 Speedtec plug	4x1.5 PVC	6-pin terminal
6FX5002-5CS06	5CS06 PVC	M23 plug	4x1.5 PVC	6-pin terminal
6FX5002-5DN06	5DN06 PVC	M23 Speedtec plug	4x1.5+(2x1.5))	6-pin terminal
6FX5002-5DS06	5DS06 PVC	M23 plug	(4x1.5+(2x1.5))	6-pin terminal
6FX5002-5CN16	5CN16 PVC	M23 Speedtec plug	4x2.5 PVC	6-pin terminal
6FX5002-5CS16	5CS16 PVC	M23 plug	4x2.5 PVC	6-pin terminal
6FX5002-5DN16	5DN16 PVC	M23 Speedtec plug	(4x2.5+(2x1.5))	6-pin terminal
6FX5002-5DN36	5DN36 PVC	M40 Speedtec plug	(4x2.5+2x1.5)	6-pin terminal
6FX5002-5DN56	5DN56 PVC	M40 Speedtec plug	(4x6+2x1.5)	6-pin terminal
6FX5002-5DS16	5DS16 PVC	M23 plug	(4x2.5+(2x1.5))	6-pin terminal



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX5002-5CG10	5CG10 PVC	M23 Speedtec plug	4x1.5	Open end
6FX5002-5CG01	5CG01 PVC	M23 threaded plug nut	4x1.5	Open end
6FX5002-5DG10	5DG10 PVC	M23 Speedtec plug	4x1.5+2x1.5	Open end
6FX5002-5DG01	5DG01 PVC	M23 threaded plug nut	4x1.5+2x1.5	Open end
6FX5002-5CG12	5CG12 PVC	M23 Speedtec plug	4x1.5+2x1.5	Open end
6FX5002-5CG11	5CG11 PVC	M23 threaded plug nut	4x2.5	Open end
6FX5002-5DG12	5DG12 PVC	M23 Speedtec plug	4x2.5+2x1.5	Open end
6FX5002-5DG11	5DG11 PVC	M23 threaded plug nut	4x2.5+2x1.5	Open end
6FX5002-5DG22	5DG22 PVC	M40 Speedtec plug	4x1.5+2x1.5	Open end
6FX5002-5CG21	5CG21 PVC	M40 threaded plug nut	4x1.5	Open end
6FX5002-5CG22	5CG22 PVC	M40 Speedtec plug	4x1.5	Open end
6FX5002-5DG21	5DG21 PVC	M40 threaded plug nut	4x1.5+2x1.5	Open end
6FX5002-5CG32	5CG32 PVC	M40 Speedtec plug	4x2.5	Open end
6FX5002-5CG31	5CG31 PVC	M40 threaded plug nut	4x2.5	Open end
6FX5002-5DG32	5DG32 PVC	M40 Speedtec plug	4x2.5+2x1.5	Open end
6FX5002-5DG31	5DG31 PVC	M40 threaded plug nut	4x2.5+2x1.5	Open end
6FX5002-5CG42	5CG42 PVC	M40 Speedtec plug	4x4	Open end
6FX5002-5CG41	5CG41 PVC	M40 threaded plug nut	4x4	Open end
6FX5002-5DG42	5DG42 PVC	M40 Speedtec plug	4x4+2x1.5	Open end
6FX5002-5DG41	5DG41 PVC	M40 threaded plug nut	4x4+2x1.5	Open end
6FX5002-5CG52	5CG52 PVC	M40 Speedtec plug	4x6	Open end
6FX5002-5CG51	5CG51 PVC	M40 threaded plug nut	4x6	Open end
6FX5002-5DG52	5DG52 PVC	M40 Speedtec plug	4x6+2x1.5	Open end
6FX5002-5DG51	5DG51 PVC	M40 threaded plug nut	4x6+2x1.5	Open end
6FX5002-5CG61	5CG61 PVC	M40 threaded plug nut	4x10	Open end
6FX5002-5CG62	5CG62 PVC	M40 Speedtec plug	4x10	Open end
6FX5002-5DG62	5DG62 PVC	M40 Speedtec plug	4x10+2x1.5	Open end
6FX5002-5DG61	5DG61 PVC	M40 threaded plug nut	4x10+2x1.5	Open end
6FX5002-5CG13	5CG13 PVC	M58 threaded plug nut	4x6	Open end
6FX5002-5DG13	5DG13 PVC	M58 threaded plug nut	4x10+2x1.5	Open end

SERVO MOTOR CABLES (STATIC APPLICATIONS)



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX5002-5CN05	5CN05 PVC	M23 Speedtec plug	4x1.5	M23 Speedtec coupling
6FX5002-5CA05	5CA05 PVC	M23 threaded plug nut	4x1.5	M23 threaded coupling nut –Speedtec ready*
6FX5002-5DN05	5DN05 PVC	M23 Speedtec plug	4x1.5+2x1.5	M23 Speedtec coupling
6FX5002-5DA05	5DA05 PVC	M23 threaded plug nut	4x1.5+2x1.5	M23 threaded coupling nut –Speedtec ready*
6FX5002-5CN15	5CN15 PVC	M23 Speedtec plug	4x2.5	M23 Speedtec coupling
6FX5002-5DQ15	5DQ15 PVC	M23 Speedtec plug	4x2.5+2x1.5	M23 Speedtec coupling
6FX5002-5DA15	5DA15 PVC	M23 threaded plug nut	4x2.5+2x1.5	M23 threaded coupling nut –Speedtec ready*
6FX5002-5CA15	5CA15 PVC	M23 threaded plug nut	4x2.5	M23 threaded coupling nut –Speedtec ready*
6FX5002-5CQ28	5CQ28 PVC	M40 Speedtec plug	4x1.5	M40 Speedtec coupling
6FX5002-5CA28	5CA28 PVC	M40 threaded plug nut	4x1.5	M40 threaded coupling nut –Speedtec ready*
6FX5002-5DQ28	5DQ28 PVC	M40 Speedtec plug	4x1.5+2x1.5	M40 Speedtec coupling
6FX5002-5DA28	5DA28 PVC	M40 threaded plug nut	4x1.5+2x1.5	M40 threaded coupling nut –Speedtec ready*
6FX5002-5CQ38	5CQ38 PVC	M40 Speedtec plug	4x2.5	M40 Speedtec coupling
6FX5002-5CA38	5CA38 PVC	M40 threaded plug nut	4x2.5	M40 threaded coupling nut –Speedtec ready*
6FX5002-5DQ38	5DQ38 PVC	M40 Speedtec plug	4x2.5+2x1.5	M40 Speedtec coupling
6FX5002-5DA38	5DA38 PVC	M40 threaded plug nut	4x2.5+2x1.5	M40 threaded coupling nut –Speedtec ready*
6FX5002-5CQ48	5CQ48 PVC	M40 Speedtec plug	4x4	M40 Speedtec coupling
6FX5002-5CA48	5CA48 PVC	M40 threaded plug nut	4x4	M40 threaded coupling nut –Speedtec ready*
6FX5002-5DQ48	5DQ48 PVC	M40 Speedtec plug	4x4+2x1.5	M40 Speedtec coupling
6FX5002-5DA48	5DA48 PVC	M40 threaded plug nut	4x4+2x1.5	M40 threaded coupling nut –Speedtec ready*
6FX5002-5CQ58	5CQ58 PVC	M40 Speedtec plug	4x6	M40 Speedtec coupling
6FX5002-5CA58	5CA58 PVC	M40 threaded plug nut	4x6	M40 threaded coupling nut –Speedtec ready*
6FX5002-5DQ58	5DQ58 PVC	M40 Speedtec plug	4x6+2x1.5	M40 Speedtec coupling
6FX5002-5DA58	5DA58 PVC	M40 threaded plug nut	4x6+2x1.5	M40 threaded coupling nut –Speedtec ready*
6FX5002-5CQ68	5CQ68 PVC	M40 Speedtec plug	4x10	M40 Speedtec coupling
6FX5002-5CA68	5CA68 PVC	M40 threaded plug nut	4x10	M40 threaded coupling nut –Speedtec ready*
6FX5002-5CX18	5CX18 PVC	M58 threaded plug nut	4x10	M58 threaded coupling nut –Speedtec ready*
6FX5002-5DQ68	5DQ68 PVC	M40 Speedtec plug	4x10+2x1.5	M40 Speedtec coupling
6FX5002-5DA68	5DA68 PVC	M40 threaded plug nut	4x10+2x1.5	M40 threaded coupling nut –Speedtec ready*
6FX5002-5DX18	5DX18 PVC	M58 threaded plug nut	4x10+2x1.5	M58 threaded coupling nut –Speedtec ready*
6FX5002-5CX28	5CX28 PVC	M58 threaded plug nut	4x16	M58 threaded coupling nut –Speedtec ready*

* Speedtec ready: In order to use a Speedtec plug on the coupling, the O-ring must be removed.

SERVO MOTOR CABLES (DYNAMIC APPLICATIONS)



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX8002-5CN06	5CN06 PUR	M23 Speedtec plug	4x1.5	6-pin terminal
6FX8002-5CS06	5CS06 PUR	M23 threaded plug nut	4x1.5	6-pin terminal
6FX8002-5CN16	5CN16 PUR	M23 Speedtec plug	4x2.5	6-pin terminal
6FX8002-5CS16	5CS16 PUR	M23 threaded plug nut	4x2.5	6-pin terminal
6FX8002-5DN06	5DN06 PUR	M23 Speedtec plug	(4x1.5+(2x1.5))	6-pin terminal
6FX8002-5DS06	5DS06 PUR	M23 threaded plug nut	(4x1.5+(2x1.5)	6-pin terminal
6FX8002-5DN16	5DN16 PUR	M23 Speedtec plug	(4x2.5+(2x1.5))	6-pin terminal
6FX8002-5DN36	5DN36 PUR	M40 Speedtec plug	(4x2.5+2x1.5)	6-pin terminal
6FX8002-5DN56	5DN56 PUR	M40 Speedtec plug	(4x6+2x1.5)	6-pin terminal
6FX8002-5DS16	5DS16 PUR	M23 threaded plug nut	(4x2.5+(2x1.5))	6-pin terminal

Additional cables by the metre are available on request.



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX8002-5CN01	5CN01 PUR CRIMP SVS	M23 Speedtec plug	4x1.5	Right-angle crimp plug
6FX8002-5CS01	5CS01 PUR CRIMP SVS	M23 threaded plug nut	4x1.5	Right-angle crimp plug
6FX8002-5DN01	5DN01 PUR CRIMP SVS	M23 Speedtec plug	4x1.5+2x1.5	Right-angle crimp plug
6FX8002-5DS01	5DS01 PUR CRIMP SVS	M23 threaded plug nut	4x1.5+2x1.5	Right-angle crimp plug
6FX8002-5CN11	5CN11 PUR CRIMP SVS	M23 Speedtec plug	4x2.5	Right-angle crimp plug
6FX8002-5CS11	5CS11 PUR CRIMP SVS	M23 threaded plug nut	4x2.5	Right-angle crimp plug
6FX8002-5DS11	5DS11 PUR CRIMP SVS	M23 threaded plug nut	4x2.5+2x1.5	Right-angle crimp plug
6FX8002-5DN11	5DN11 PUR CRIMP SVS	M23 Speedtec plug	4x2.5+2x1.5	Right-angle crimp plug
6FX8002-5CN21	5CN21 PUR CRIMP SVS	M40 Speedtec plug	4x1.5	Right-angle crimp plug
6FX8002-5CS21	5CS21 PUR CRIMP SVS	M40 threaded plug nut	4x1.5	Right-angle crimp plug
6FX8002-5DN21	5DN21 PUR CRIMP SVS	M40 Speedtec plug	4x1.5+2x1.5	Right-angle crimp plug
6FX8002-5DS21	5DS21 PUR CRIMP SVS	M40 threaded plug nut	4x1.5+2x1.5	Right-angle crimp plug
6FX8002-5CN31	5CN31 PUR CRIMP SVS	M40 Speedtec plug	4x2.5	Right-angle crimp plug
6FX8002-5DN31	5DN31 PUR CRIMP SVS	M40 Speedtec plug	4x2.5+2x1.5	Right-angle crimp plug
6FX8002-5CS31	5CS31 PUR CRIMP SVS	M40 threaded plug nut	4x2.5	Right-angle crimp plug
6FX8002-5DS31	5DS31 PUR CRIMP SVS	M40 threaded plug nut	4x2.5+2x1.5	Right-angle crimp plug
6FX8002-5CN41	5CN41 PUR CRIMP SVS	M40 Speedtec plug	4x4	Right-angle crimp plug
6FX8002-5CS41	5CS41 PUR CRIMP SVS	M40 threaded plug nut	4x4	Right-angle crimp plug
6FX8002-5DN41	5DN41 PUR CRIMP SVS	M40 Speedtec plug	4x4+2x1.5	Right-angle crimp plug
6FX8002-5DS41	5DS41 PUR CRIMP SVS	M40 threaded plug nut	4x4+2x1.5	Right-angle crimp plug
6FX8002-5CN51	5CN51 PUR CRIMP SVS	M40 Speedtec plug	4x6	Right-angle crimp plug
6FX8002-5CS51	5CS51 PUR CRIMP SVS	M40 threaded plug nut	4x6	Right-angle crimp plug
6FX8002-5DN51	5DN51 PUR CRIMP SVS	M40 Speedtec plug	4x6+2x1.5	Right-angle crimp plug
6FX8002-5DS51	5DS51 PUR CRIMP SVS	M40 threaded plug nut	4x6+2x1.5	Right-angle crimp plug
6FX8002-5CN61	5CN61 PUR CRIMP SVS	M40 Speedtec plug	4x10	Right-angle crimp plug
6FX8002-5CS61	5CS61 PUR CRIMP SVS	M40 threaded plug nut	4x10	Right-angle crimp plug
6FX8002-5DS61	5DS61 PUR CRIMP SVS	M40 threaded plug nut	4x10+2x1.5	Right-angle crimp plug
6FX8002-5DN61	5DN61 PUR CRIMP SVS	M40 Speedtec plug	4x10+2x1.5	Right-angle crimp plug
6FX8002-5CS13	5CS13 PUR CRIMP SVS	M58 threaded plug nut	4x10	Right-angle crimp plug
6FX8002-5DS13	5DS13 PUR CRIMP SVS	M58 threaded plug nut	4x10+2x1.5	Right-angle crimp plug



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX8002-5CG10	5CG10 PUR	M23 Speedtec plug	4x1.5	Open end
6FX8002-5CG01	5CG01 PUR	M23 threaded plug nut	4x1.5	Open end
6FX8002-5DG10	5DG10 PUR	M23 Speedtec plug	4x1.5+2x1.5	Open end
6FX8002-5DG01	5DG01 PUR	M23 threaded plug nut	4x1.5+2x1.5	Open end
6FX8002-5CG12	5CG12 PUR	M23 Speedtec plug	4x2.5	Open end
6FX8002-5CG11	5DG11 PUR	M23 threaded plug nut	4x2.5	Open end
6FX8002-5DG12	5DG12 PUR	M23 Speedtec plug	4x2.5+2x1.5	Open end
6FX8002-5DG11	5DG11 PUR	M23 threaded plug nut	4x2.5+2x1.5	Open end
6FX8002-5CG22	5CG22 PUR	M40 Speedtec plug	4x1.5	Open end
6FX8002-5CG21	5CG21 PUR	M40 threaded plug nut	4x1.5	Open end
6FX8002-5DG22	5DG22 PUR	M40 Speedtec plug	4x1.5+2x1.5	Open end
6FX8002-5DG21	5DG21 PUR	M40 threaded plug nut	4x1.5+2x1.5	Open end
6FX8002-5CG32	5CG32 PUR	M40 Speedtec plug	4x2.5	Open end
6FX8002-5CG31	5CG31 PUR	M40 threaded plug nut	4x2.5	Open end
6FX8002-5DG32	5DG32 PUR	M40 Speedtec plug	4x2.5+2x1.5	Open end
6FX8002-5DG31	5DG31 PUR	M40 threaded plug nut	4x2.5+2x1.5	Open end
6FX8002-5CG42	5CG42 PUR	M40 Speedtec plug	4x4	Open end
6FX8002-5CG41	5CG41 PUR	M40 threaded plug nut	4x4	Open end
6FX8002-5DG41	5DG41 PUR	M40 threaded plug nut	4x4+2x1.5	Open end
6FX8002-5DG42	5DG42 PUR	M40 Speedtec plug	4x4+2x1.5	Open end
6FX8002-5CG52	5CG52 PUR	M40 Speedtec plug	4x6	Open end
6FX8002-5CG51	5CG51 PUR	M40 threaded plug nut	4x6	Open end
6FX8002-5DG52	5DG52 PUR	M40 Speedtec plug	4x6+2x1.5	Open end
6FX8002-5DG51	5DG51 PUR	M40 threaded plug nut	4x6+2x1.5	Open end
6FX8002-5CG62	5CG62 PUR	M40 Speedtec plug	4x10	Open end
6FX8002-5CG61	5CG61 PUR	M40 threaded plug nut	4x10	Open end
6FX8002-5DG61	5DG61 PUR	M40 threaded plug nut	4x10+2x1.5	Open end
6FX8002-5CG13	5CG13 PUR	M58 threaded plug nut	4x10	Open end
6FX8002-5DG13	5DG13 PUR	M58 threaded plug nut	4x10+2x1.5	Open end

SERVO MOTOR CABLES (DYNAMIC APPLICATIONS)



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX8002-5CN05	5CN05 PUR	M23 Speedtec plug	4x1.5	M23 Speedtec coupling
6FX8002-5CA05	5CA05 PUR	M23 threaded plug nut	4x1.5	M23 threaded coupling nut –Speedtec ready*
6FX8002-5DN05	5DN05 PUR	M23 Speedtec plug	4x1.5+2x1.5	M23 Speedtec coupling
6FX8002-5DA05	5DA05 PUR	M23 threaded plug nut	4x1.5+2x1.5	M23 threaded coupling nut –Speedtec ready*
6FX8002-5CA15	5CA15 PUR	M23 threaded plug nut	4x2.5	M23 threaded coupling nut –Speedtec ready*
6FX8002-5CN15	5CN15 PUR	M23 Speedtec plug	4x2.5	M23 Speedtec coupling
6FX8002-5DQ15	5DQ15 PUR	M23 Speedtec plug	4x2.5+2x1.5	M23 Speedtec coupling
6FX8002-5DA15	5DA15 PUR	M23 threaded plug nut	4x2.5+2x1.5	M23 threaded coupling nut –Speedtec ready*
6FX8002-5CQ28	5CQ28 PUR	M40 Speedtec plug	4x1.5	M40 Speedtec coupling
6FX8002-5CA28	5CA28 PUR	M40 threaded plug nut	4x1.5	M40 threaded coupling nut –Speedtec ready*
6FX8002-5DQ28	5DQ28 PUR	M40 Speedtec plug	4x1.5+2x1.5	M40 Speedtec coupling
6FX8002-5DA28	5DA28 PUR	M40 threaded plug nut	4x1.5+2x1.5	M40 threaded coupling nut –Speedtec ready*
6FX8002-5CQ38	5CQ38 PUR	M40 Speedtec plug	4x2.5	M40 Speedtec coupling
6FX8002-5CA38	5CA38 PUR	M40 threaded plug nut	4x2.5	M40 threaded coupling nut –Speedtec ready*
6FX8002-5DQ38	5DQ38 PUR	M40 Speedtec plug	4x2.5+2x1.5	M40 Speedtec coupling
6FX8002-5DA38	5DA38 PUR	M40 threaded plug nut	4x2.5+2x1.5	M40 threaded coupling nut –Speedtec ready*
6FX8002-5CQ48	5CQ48 PUR	M40 Speedtec plug	4x4	M40 Speedtec coupling
6FX8002-5CA48	5CA48 PUR	M40 threaded plug nut	4x4	M40 threaded coupling nut –Speedtec ready*
6FX8002-5DQ48	5DQ48 PUR	M40 Speedtec plug	4x4+2x1.5	M40 Speedtec coupling
6FX8002-5DA48	5DA48 PUR	M40 threaded plug nut	4x4+2x1.5	M40 threaded coupling nut –Speedtec ready*
6FX8002-5CQ58	5CQ58 PUR	M40 Speedtec plug	4x6	M40 Speedtec coupling
6FX8002-5CA58	5CA58 PUR	M40 threaded plug nut	4x6	M40 threaded coupling nut –Speedtec ready*
6FX8002-5DQ58	5DQ58 PUR	M40 Speedtec plug	4x6+2x1.5	M40 Speedtec coupling
6FX8002-5DA58	5DA58 PUR	M40 threaded plug nut	4x6+2x1.5	M40 threaded coupling nut –Speedtec ready*
6FX8002-5CQ68	5CQ68 PUR	M40 Speedtec plug	4x10	M40 Speedtec coupling
6FX8002-5CA68	5CA68 PUR	M40 threaded plug nut	4x10	M40 threaded coupling nut –Speedtec ready*
6FX8002-5DQ68	5DQ68 PUR	M40 Speedtec plug	4x10+2x1.5	M40 Speedtec coupling
6FX8002-5DA68	5DA68 PUR	M40 threaded plug nut	4x10+2x1.5	M40 threaded coupling nut –Speedtec ready*
6FX8002-5CX18	5CX18 PUR	M58 threaded plug nut	4x10	M58 threaded coupling nut –Speedtec ready*
6FX8002-5DX18	5DX18 PUR	M58 threaded plug nut	4x10+2x1.5	M58 threaded coupling nut –Speedtec ready*
6FX8002-5CX28	5CX28 PUR	M58 threaded plug nut	4x16	M58 threaded coupling nut –Speedtec ready*
6FX8002-5DX28	5DX28 PUR	M58 threaded plug nut	4x16+2x1.5	M58 threaded coupling nut –Speedtec ready*

* Speedtec ready: In order to use a Speedtec plug on the coupling, the O-ring must be removed.

Additional cables by the metre are available on request.

ENCODER CABLES (STATIC APPLICATIONS)



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX5002-2DC00	2DC00 PVC	Metal shell RJ45 IP20	2x2x0.22+2x0.38	Metal shell RJ45 IP20



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX5002-2DC10	2DC10 PVC	Metal shell RJ45 IP67	2x2x0.22+2x0.38	Metal shell RJ45 IP20



Custom configuration; Image for reference

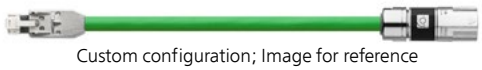
Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX5002-2DC30	Signal cable 2DC30 PVC	M12 coupling socket	2x2x0.22+2x0.38	Metal shell RJ45 IP20



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX5002-2DC40	2DC40 PVC metal shell	M17 plug	2x2x0.22+2x0.38	Metal shell RJ45 IP20
6FX5002-2DC44	2DC44 PVC metal shell	M17 plug	2x2x0.22+2x0.38	M17 coupling



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX5002-2CA31	Signal cable 2CA31 PVC	17-pin signal plug	(3x2x0.14)+4x0.14+2.05)	25-pin DSUB
6FX5002-2EQ10	Signal cable 2EQ10 PVC	17-pin signal plug	(3x2x0.14)+4x0.14+2.05)	25-pin DSUB



Custom configuration; Image for reference

Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX5002-2DD40	Signal cable 2DD40 PVC	Metal shell RJ45 Cat. 5	2x2x0.22+2x0.38	M17 signal coupling
6FX5002-2DC48	Signal cable 2DC48 PVC	Metal shell RJ45 Cat. 5	2x2x0.22+2x0.38	M17 signal coupling

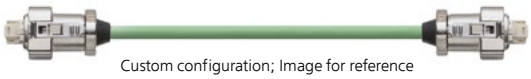
ENCODER CABLES (STATIC APPLICATIONS)



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX5002-2CA34	Signal cable 2CA34 PVC	17-pin signal plug	(3x(2x0.14)+4x0.14+4x0.22+2x0.5)	Speedtec signal coupling
6FX5002-2EQ14	Signal cable 2EQ14 PVC	17-pin signal plug	(3x(2x0.14)+4x0.14+4x0.22+2x0.5)	Speedtec signal coupling



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX5002-2DC34-1ADO	Signal cable 2DC34 PVC 3m	M12 coupling socket	2x2x0.20+2x0.38	M12 signal plug pin



Custom configuration; Image for reference

Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX5002-2DC20	2DC20 PVC metal shell	Metal shell RJ45 IP67	2x2x0.22+2x0.38	Metal shell RJ45 IP67

Additional cables by the metre are available on request.

ENCODER CABLES (DYNAMIC APPLICATIONS)



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX8002-2DC00	2DC00 PVC	Metal shell RJ45 IP20	2x2x0.22+2x0.38	Metal shell RJ45 IP20



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX8002-2DC10	2DC10 PVC	Metal shell RJ45 IP67	2x2x0.22+2x0.38	Metal shell RJ45 IP20



Custom configuration; Image for reference

Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX8002-2DC30	Signal cable 2DC30 PVC	M12 coupling socket	2x2x0.22+2x0.38	Metal shell RJ45 IP20



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX8002-2DC40	2DC40 PVC metal shell	M17 plug	2x2x0.22+2x0.38	Metal shell RJ45 IP20
6FX8002-2DC44	2DC44 PVC metal shell	M17 plug	2x2x0.22+2x0.38	M17 coupling



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX8002-2CA31	Signal cable 2CA31 PVC	17-pin signal plug	(3x2x0.14)+4x0.14+2.05)	25-pin DSUB
6FX8002-2EQ10	Signal cable 2EQ10 PVC	17-pin signal plug	(3x2x0.14)+4x0.14+2.05)	25-pin DSUB



Custom configuration; Image for reference

Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX8002-2DD40	Signal cable 2DD40 PVC	Metal shell RJ45 Cat. 5	2x2x0.22+2x0.38	M17 signal coupling
6FX8002-2DC48	Signal cable 2DC48 PVC	Metal shell RJ45 Cat. 5	2x2x0.22+2x0.38	M17 signal coupling

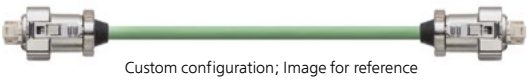
ENCODER CABLES (DYNAMIC APPLICATIONS)



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX8002-2CA34	Signal cable 2CA34 PVC	17-pin signal plug	(3x(2x0.14)+4x0.14+4x0.22+2x0.5)	Speedtec signal coupling
6FX8002-2EQ14	Signal cable 2EQ14 PVC	17-pin signal plug	(3x(2x0.14)+4x0.14+4x0.22+2x0.5)	Speedtec signal coupling



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX8002-2DC34-1ADO	Signal cable 2DC34 PVC 3m	M12 coupling socket	2x2x0.20+2x0.38	M12 signal plug pin
6FX8002-2DC44	Metal shell 2DC44 PUR	M17 plug	2x2x0.20+2x0.38	M17 coupling
6FX8002-2DD44	2DD44 PUR	M17 Speedtec plug	2x2x0.2+2x0.38	M17 Speedtec coupling ready



Custom configuration; Image for reference

Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6FX8002-2DC20	2DC20 PVC metal shell	Metal shell RJ45 IP67	2x2x0.22+2x0.38	Metal shell RJ45 IP67

FIELD BUS CABLES (FIXED INSTALLATION)



Custom configuration; Image for reference

Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
6SL3060-4AB00-0AA0	Signal cable 3060, 0.11 m	Plastic shell RJ45 IP20	Cat. 5e 4x2xAWG26/7	Plastic shell RJ45 IP20
6SL3060-4AD00-0AA0	Signal cable 3060, 0.16 m	Plastic shell RJ45 IP20	Cat. 5e 4x2xAWG26/7	Plastic shell RJ45 IP20
6SL3060-4AF00-0AA0	Signal cable 3060, 0.21 m	Plastic shell RJ45 IP20	Cat. 5e 4x2xAWG26/7	Plastic shell RJ45 IP20
6SL3060-4AH00-0AA0	Signal cable 3060, 0.26 m	Plastic shell RJ45 IP20	Cat. 5e 4x2xAWG26/7	Plastic shell RJ45 IP20
6SL3060-4AK00-0AA0	Signal cable 3060, 0.31 m	Plastic shell RJ45 IP20	Cat. 5e 4x2xAWG26/7	Plastic shell RJ45 IP20
6SL3060-4AM00-0AA0	Signal cable 3060, 0.36 m	Plastic shell RJ45 IP20	Cat. 5e 4x2xAWG26/7	Plastic shell RJ45 IP20
6SL3060-4AP00-0AA0	Signal cable 3060, 0.41 m	Plastic shell RJ45 IP20	Cat. 5e 4x2xAWG26/7	Plastic shell RJ45 IP20
6SL3060-4AU00-0AA0	Signal cable 3060, 0.60 m	Plastic shell RJ45 IP20	Cat. 5e 4x2xAWG26/7	Plastic shell RJ45 IP20
6SL3060-4AA10-0AA0	Signal cable 3060, 0.95 m	Plastic shell RJ45 IP20	Cat. 5e 4x2xAWG26/7	Plastic shell RJ45 IP20
6SL3060-4AW00-0AA0	Signal cable 3060, 1.20 m	Plastic shell RJ45 IP20	Cat. 5e 4x2xAWG26/7	Plastic shell RJ45 IP20
6SL3060-4AF10-0AA0	Signal cable 3060, 1.45 m	Plastic shell RJ45 IP20	Cat. 5e 4x2xAWG26/7	Plastic shell RJ45 IP20
6SL3060-4AJ20-0AA0	Signal cable 3060, 2.80 m	Plastic shell RJ45 IP20	Cat. 5e 4x2xAWG26/7	Plastic shell RJ45 IP20
6SL3060-4AA50-0AA0	Signal cable 3060, 5.00 m	Plastic shell RJ45 IP20	Cat. 5e 4x2xAWG26/7	Plastic shell RJ45 IP20

Additional cables by the metre are available on request.

Assemblies acc. to Lenze standards

SERVO MOTOR CABLES (STATIC APPLICATIONS)



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
EWLMxxxGM-015	Motor cable GM-015	M23 plug	(4x1.5+(2x0.75)) PVC	Ferrules
EWLMxxxGM-025	Motor cable GM-025	M23 plug	(4x2.5+(2x0.75)) PVC	Ferrules



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
EYP0004AxxxxM04A00	Motor cable 1.5 mm² PVC M04A00	M23 Speedtec plug	(4x1.5+(2x0.75)) PVC	Open end
EYP0005AxxxxM04A00	Motor cable 2.5 mm² PVC M04A00	M23 Speedtec plug	(4x2.5+(2x0.75)) PVC	Open end
EYP0004AxxxxM01A00	Motor cable 1.5 mm² PVC M01A00	M23 plug	(4x1.5+(2x0.75)) PVC	Open end
EYP0005AxxxxM01A00	Motor cable 2.5 mm² PVC M01A00	M23 plug	(4x2.5+(2x0.75)) PVC	Open end

SERVO MOTOR CABLES (DYNAMIC APPLICATIONS)



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
EWLMxxxGMS-015	Motor cable GMS-015	M23 threaded plug nut	(4x1.5+(2x0.1))	Ferrules
EWLMxxxGMS-025	Motor cable GMS-025	M23 plug	(4x2.5+(2x0.1))	Ferrules



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
EWLMxxxZMS-015	Motor extension EWLMxxxZMS-015	M23 threaded plug nut	(4x1.5+(2x0.1))	M23 Speedtec coupling
EWLMxxxZMS-025	Motor extension EWLMxxxZMS-025	M23 plug	(4x2.5+(2x0.1))	M23 coupling
EYP0011VxxxxM04P04	Motor cable 1.5 PUR M4P04	M23 Speedtec plug	(4x1.5+(2x1))	M23 Speedtec coupling
EYP0011VxxxxM01P04	Motor cable 1.5 PUR M01/P04	M23 threaded plug nut	(4x1.5+(2x1))	M23 coupling
EYP0012VxxxxM01P04	Motor cable 2.5 PUR M01/P04	M23 plug	(4x2.5+(2x1))	M23 coupling



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
EYP0011AxxxxM04A00	Motor cable 1.5 mm² PUR M04A00	M23 Speedtec plug	(4x1.5+(2x1))	Open end
EYP0012AxxxxM04A00	Motor cable 2.5 mm² PUR M04A00	M23 Speedtec plug	(4x2.5+(2x1))	Open end
EYP0011AxxxxM01A00	Motor cable 1.5 mm² PUR M01A00	M23 threaded plug nut	(4x1.5+(2x1))	Open end
EYP0012AxxxxM04A00	Motor cable 2.5 mm² PUR M04A00	M23 threaded plug nut	(4x2.5+(2x1))	Open end

* Speedtec ready: In order to use a Speedtec plug on the coupling, the O-ring must be removed.

ENCODER CABLES (STATIC APPLICATIONS)



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
EWLRxxxGM-T	Resolver cable GM-T	M23 threaded plug nut	(3x(2x0.14+2x0(5))	9-pin DSUB



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
EYF0018AxxxxF02S03	Encoder cable PVC F02S03	M23 threaded plug nut	4x(2x0.14)+(2x1.0)	15-pin DSUB
EYF0017AxxxxF01S01	Encoder cable PVC F01 S01	M23 plug	4x(2x0.14)+(2x1.0)	9-pin DSUB
EYF0017AxxxxF01S02	Encoder cable PVC F01 S02	M23 plug	(4x2.5+(2x0.1))	9-pin DSUB

ENCODER CABLES (DYNAMIC APPLICATIONS)



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
EWLRxxxGMS-T	Resolver cable GMS-T	M23 plug	(3x(2x0.14)+2x(0.5))	9-pin DSUB



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
EYF0020AxxxxA00S04	Encoder cable A00S04 PUR	9-pin DSUB	3x(2x0.14)+(3x0.14)	Open end
EYF0020AxxxxA00S05	Encoder cable A00S05 PUR	9-pin DSUB	3x(2x0.14)+(3x0.14)	Open end



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
EYF0020AxxxxF01S04	Encoder cable F01S04 PUR	M23 plug	3x(2x0.14)+(3x0.14)	9-pin DSUB
EYF0020AxxxxF01S05	Encoder cable F01S05 PUR	M23 plug	3x(2x0.14)+(3x0.14)	9-pin DSUB
EYF0019AxxxxF02S03	Encoder cable F02S03 PUR	M23 plug	4x(2x0.14)+2x(1.0)	15-pin DSUB



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
EYF0020AxxxxF01A00	Encoder cable EYF0020AF01A00 PUR	M23 plug	3x(2x0.14)+(3x0.14)	Open end

Additional cables by the metre are available on request.

Assemblies inspired by Rockwell & Allen Bradley standards

SINGLE-CABLE SYSTEMS (STATIC APPLICATIONS)



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
CSBM1DF-16	Motor cbl. RO 4x1.5+2x0.75+2xAWG22 PVC or	M23, 9-pin plug	PVC, 4x2.5+2x1.0+2xAWG22	Open end
CSBM1DF-14	Motor cbl. RO 4x2.5+2x1.0+2xAWG22 PVC or	M23, 9-pin plug	PVC, 4x1.5+2x0.75+2xAWG22	Open end

SINGLE-CABLE SYSTEMS (DYNAMIC APPLICATIONS)



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
CSBM1DF-18	Motor cbl. RO 4x1.0+2x0.75+2xAWG22 PUR or	M23, 9-pin plug	PUR, 4x1.0+2x0.75+2xAWG22	Open end
CSBM1DF-16	Motor cbl. RO 4x1.5+2x0.75+2xAWG22 PUR or	M23, 9-pin plug	PUR, 4x1.5+2x0.75+2xAWG22	Open end
CSBM1DF-14	Motor cbl. RO 4x2.5+2x1.0+2xAWG22 PUR or	M23, 9-pin plug	PUR, 4x2.5+2x0.75+2xAWG22	Open end



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
CSWM1DF-18	Motor cbl. RO 4x1.0+2xAWG22 PUR or	M23, 9-pin plug	PUR, 4x1.0+2x0.75+2xAWG22	Open end
CSWM1DF-16	Motor cbl. RO 4x1.5+2xAWG22 PUR or	M23, 9-pin plug	PUR, 4x1.5+2x0.75+2xAWG22	Open end
CSWM1DF-14	Motor cbl. RO 4x2.5+2xAWG22 PUR or	M23, 9-pin plug	PUR, 4x2.5+2x0.75+2xAWG22	Open end

SERVO MOTOR CABLES (STATIC APPLICATIONS)



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
CPBM4DF-16	Motor cbl. RO Br. 4x1.5+2x1.5 Cir./AE PVC	M23, 9-pin plug	PVC, 4x1.5+2x1.5	Open end
CPBM4DF-14	Motor cbl. RO Br. 4x2.5+2x1.5 Cir./AE PVC	M23, 9-pin plug	PVC, 4x2.5+2x1.5	Open end



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
CPBM7DF-16	Motor cbl. RO Br. 4x1.5+2x1.5 Cir./AE STec PVC	M23, 9-pin plug	PVC, 4x1.5+2x1.5	Open end
CPBM7DF-14	Motor cbl. RO Br. 4x2.5+2x1.5 Cir./AE STec PVC	M23, 9-pin plug	PVC, 4x2.5+2x1.5	Open end



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
CPWM7DF-16	Motor cbl. RO 4x1.5 Cir./AE STec PVC	M23, 9-pin plug	PVC, 4x1.5	Open end
CPWM7DF-14	Motor cbl. RO 4x2.5 Cir./AE STec PVC	M23, 9-pin plug	PVC, 4x2.5	Open end

SERVO MOTOR CABLES (DYNAMIC APPLICATIONS)



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
CPBM4DF-16	Motor cbl. RO Br. 4x1.5+2x1.5 Cir./AE PUR	M23, 9-pin plug	PUR, 4x1.5+2x1.5	Open end
CPBM4DF-14	Motor cbl. RO Br. 4x2.5+2x1.5 Cir./AE PUR	M23, 9-pin plug	PUR, 4x2.5+2x1.5	Open end



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
CPBM7DF-16	Motor cbl. RO Br. 4x1.5+2x1.5 Cir./AE STec PUR lock	M23, 9-pin plug	PUR, 4x1.5+2x1.5	Open end
CPBM7DF-14	Motor cbl. RO Br.4x2.5+2x1.5 Cir./AE STec PUR lock	M23, 9-pin plug	PUR, 4x2.5+2x1.5	Open end

Additional cables by the metre are available on request.



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
CPWM7DF-16	Motor cbl. RO 4x1.5 Cir./AE STec PUR lock	M23, 9-pin plug	PUR, 4x1.5	Open end
CPWM7DF-14	Motor cbl. RO 4x2.5 Cir./AE STec PUR lock	M23, 9-pin plug	PUR, 4x2.5	Open end



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
CPBM7E7-16	Motor ext. RO Br. 4x1.5+2x1.5 Cir. STec PUR lock	M23, 9-pin plug	PUR, 4x1.5+2x1.5	M23, 9-pin coupling
CPBM7E7-14	Motor ext. RO Br. 4x2.5+2x1.5 Cir. STec PUR lock	M23, 9-pin plug	PUR, 4x2.5+2x1.5	M23, 9-pin coupling

ENCODER CABLES (STATIC APPLICATIONS)



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
CFBM4D7-CD	Feedback cable RO, 17-pin Cir./AE PVC	M23, 17-pin plug	15070025	Open end



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
CFBM7DF-CD	Feedback cable RO Cir. STec/A.E. PVC lock	M23, 17-pin plug	15070025	Open end



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
CFBM4DD-CD	Feedback cable RO Cir. STec/A.E. PVC lock DSUB	M23, 17-pin plug	15070025	D-Sub, 15-pin HD

ENCODER CABLES (DYNAMIC APPLICATIONS)



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
CFBM4DF-CO	Feedback cable RO Cir./A.E. PUR	M23, 17-pin plug	15070026	Open end



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
CFBM4DD-CO	Feedback cable RO Cir./DSUB PUR	M23, 17-pin plug	15070026	DSUB, 15-pin HD



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
CFBM7DF-CD	Feedback cable RO Cir. STec/A.E. PUR lock	M23, 17-pin plug	15070026	Open end



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
CFBM7DD-CD	Feedback cable RO Cir. STec/DSUB PUR lock	M23, 17-pin plug	15070026	DSUB, 15-pin HD



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
CFBM7DF-CE	Feedback cable RO Cir. SpTec/A.E. (CE) lock	M23, 17-pin plug	15070027	Open end



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
CFBM7DD-CE	Feedback cable RO Cir. STec/DSUB (CE) lock	M23, 17-pin plug	15070027	Sub, 15-pin, HD



Manufacturer designation	HCSB designation	Motor-side plug	Cable	Controller-side plug
CFBM7E7-CE	Feedback extension RO Cir. STec (CE) lock	M23, 17-pin plug	15070027	M23, 17-pin coupling

Additional cables by the metre are available on request.

CUSTOM SOLUTIONS FOR YOUR APPLICATION

If your application requires cables and connectors that are not in our standard selection, we are happy to create custom cable assembles according to your needs. Our custom solutions include modified cables for high mechanical loads, combinations of components from different manufacturers, or assemblies for extreme temperatures and aggressive environments, for example.

Your advantages:
- Custom products with series quality
- UL/CSA certified products
- CAD-assisted design
- Individual support on location

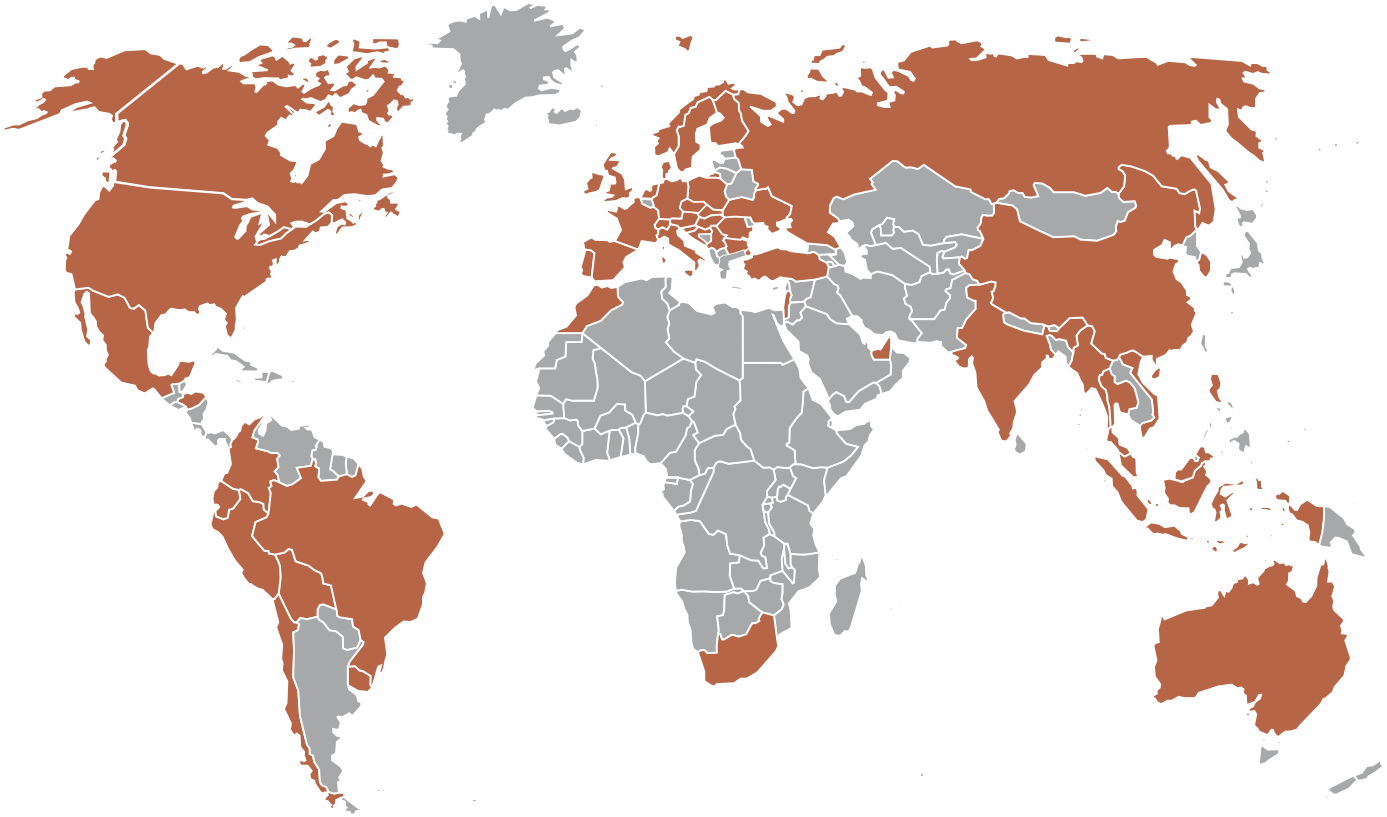
Our services:
- All kinds of drive, field bus, and control cables
- Connection via plug or terminal box
- Assembled as a set or as individual items
- Actuator/sensor plugs, heavy connectors, or round plugs
- Pneumatics for advanced systems

State-of-the-art logistics ensure prompt delivery
Our logistics centre for cables and wires is the largest of its kind in Europe. Our range of in-stock products of about 33,000 parts includes many assemblies, and with our highly modern and high-performance logistics system, we ensure that the products you need are delivered when you need them.

Quality to meet the most demanding requirements
Cables and wires from HELUKABEL stand for a level of quality that satisfies even the highest demands of drive technology. Our products fulfil all manufacturer standards and are additionally designed to withstand up to five million bending cycles, travel speeds up to 300 metres per minute, and accelerations up to 50 m/s². All of our cables can withstand an expanded temperature range up to +90°C to ensure they function reliably, even in harsh conditions.

The right connector for every application
HELUKABEL's HELUTEC series offers a comprehensive range of signal, power, and hybrid connectors. With a wide range of pole counts, cable diameters, and rated voltages and currents, we have the perfect connection for your application—pre-assembled and always in stock.

Global availability



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