Cables and connectors

The right connection technology for every application.

Cables and connectors play a decisive role in the reliable operation of your systems, machines, or motors. High-quality and adaptable – this is what Kübler cables and connectors stand for. A comprehensive product range is available for selection, from cables as unassembled yard ware and self-assembly connectors such as M12, M23, MIL, Sub-D or RJ45, through to pre-assembled cable sets such as printed circuit board connectors.

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Cables, unprepared, cut to length

	PVC cable	PUR cable	TPE cable	Cross section in mm^2	Cable diameter in mm	For incremental encoders	For absolute encoders	For safety modules	For ATEX zone 2/22	RoHS compliant
5 core + shield	•	•	–	5 x 0.14 [AWG25] 5 x 0.75 [AWG18]	approx. 4.7 approx. 7.5	•	–	–	–	•
8 core + shield	–	•	–	8 x 0.14 [AWG25] 3 x 2 x 0.14 [AWG25] + 2 x 0.5 [AWG20]	approx. 5.5 approx. 7.4	–	•	•	–	•
10 core + shield	–	•	–	4 x 2 x 0.25 [AWG23] + 2 x 1 [AWG17]	approx. 7.9	•	•	•	–	•
12 core + shield	•	•	•	10 x 0.14 [AWG25] + 2 x 0.5 [AWG20] 12 x 0.14 [AWG25] 6 x 2 x 0.14 [AWG25] 5 x 2 x 0.14 [AWG25] + 2 x 0.5 [AWG20] 6 x 2 x 0.14 [AWG25] 4 x 0.1 [AWG27] + 4 x 2 x 0.14 [AWG25]	approx. 6.9 approx. 6.7 approx. 7.5 approx. 8.5 approx. 7.3 approx. 5.8	•	•	–	•	•
18 core + shield	•	–	–	18 x 0.14 [AWG25]	approx. 7.8	–	•	–	–	•
PROFIBUS DP CANopen EtherCAT, PROFINET IO, EtherNet/IP	•	•	–	2 x 0.34 [AWG25] 3 x 2 x 0.25 [AWG23] 2 x 2 x 0.34 [AWG22]	approx. 7.6 approx. 6.2 approx. 4.8	–	•	•	–	•

Connectors, self-assembly

		N° of pins	Housing	Connection technology	Cable diameter Ø in mm	Straight connector	Right angle connector	Wall/panel lead-through	For fieldbus	For ATEX zone 2/22
	M12	4/5/8/12	Metal, Plastic	Screw terminals	6 - 8	•	•	•	•	•
	M23	12/17	Metal	Solder pins	5.5 - 10.5	•	–	•	–	–
	MIL	7/10	Metal	Solder pins	5 - 8	•	–	–	–	–
	RJ45	8	Plastic	Crimp connection	4.5 - 8	•	–	–	•	–
	Sub-D	9	ABS metallized	Solder pins	3.5 - 8.6	–	•	–	–	–

Cordsets, pre-assembled

	PVC cable	PUR cable	TPE cable	Optical fiber	Straight connector	Right angle connector	For incremental encoders	For absolute SSI / BiSS encoders	For fieldbus	For analog interfaces
with M12 connector	•	•	–	–	•	•	•	•	•	•
with M23 connector	•	•	•	–	•	–	•	•	–	•
with PCB connector	•	–	–	–	–	–	•	•	–	–
Simplex patch cable optical fiber	–	–	–	•	•	–	•	•	–	–
with RJ45 connector	–	•	–	–	–	–	–	–	•	–
with Sub-D connector	•	•	–	–	–	•	•	•	•	–