

M8/M12 Circular Connectors

M12 Cable Assemblies

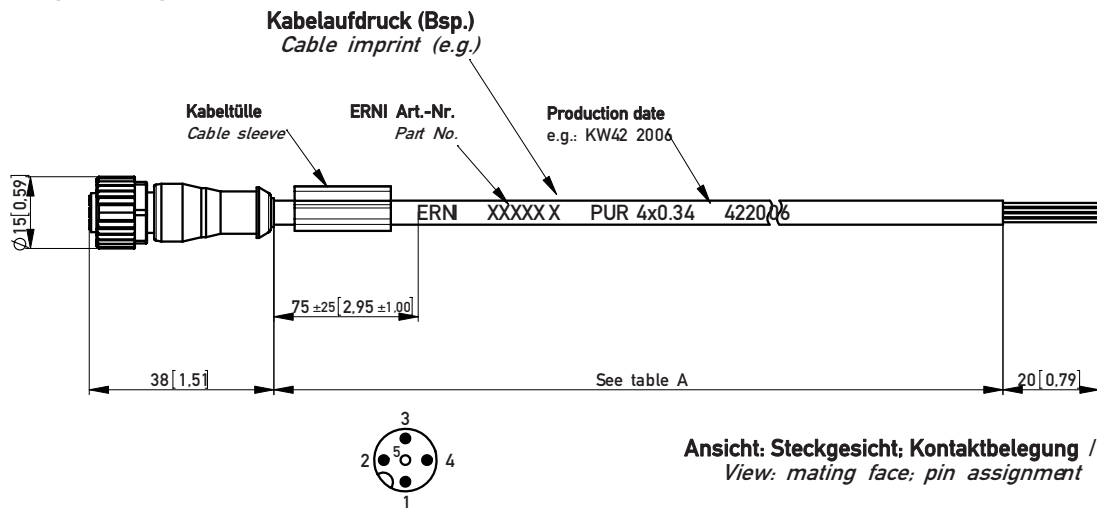


Pre-assembled cables are one of the effective possibilities to save time and money. There is no need to consider the correct pin assignment. Coding latches ensure secure mating supported by an integrated vibration-proof feature. Over-moulded connectors guarantee a watertight solution (IP67). M12 cable assemblies are either offered as an interconnection of two circular connectors or as a cord set having an open end of line (pigtail). Especially in harsh environments and for demanding applications the PUR cable assembly is the leading edge. Standardized coding is conform with requirements of different applications and bus technologies. ERNI's portfolio covers further criteria:

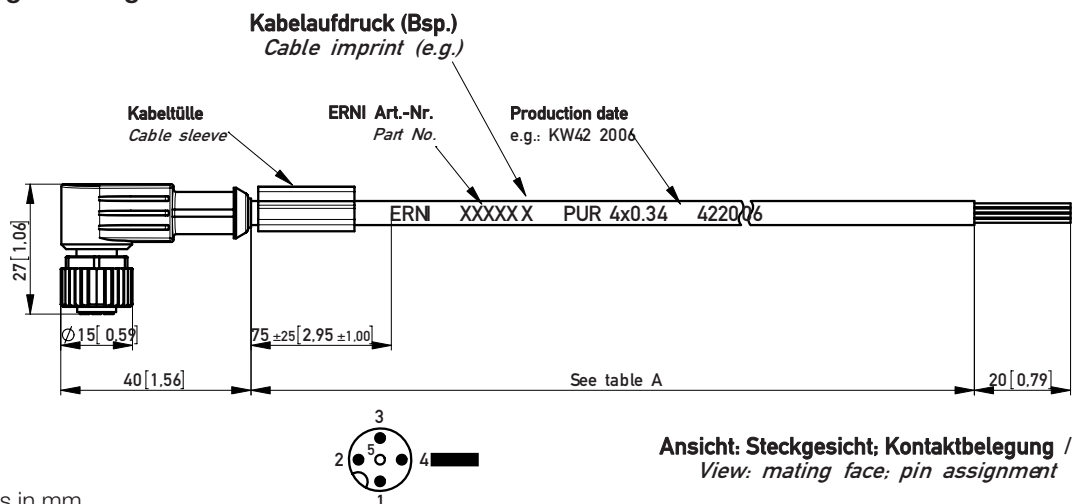
- no. of contacts: 4, 5 (further pins on request)
- LED: 3 LEDs optional
- cable: PVC / PUR (UL/CSA)
- standard cable length:
 - interconnection: 0.3, 0.6, 1.0, 1.5, 2.0 m
 - pigtail: 1.5, 3.0, 5.0, 7.5, 10.0 m

Dimensional Drawings

Female straight - Pigtail

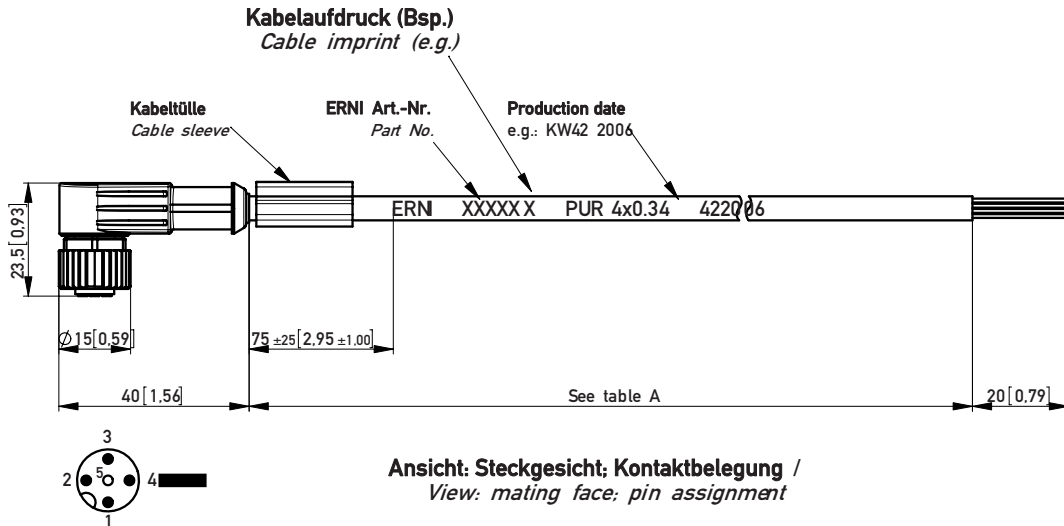


Female angled - Pigtail

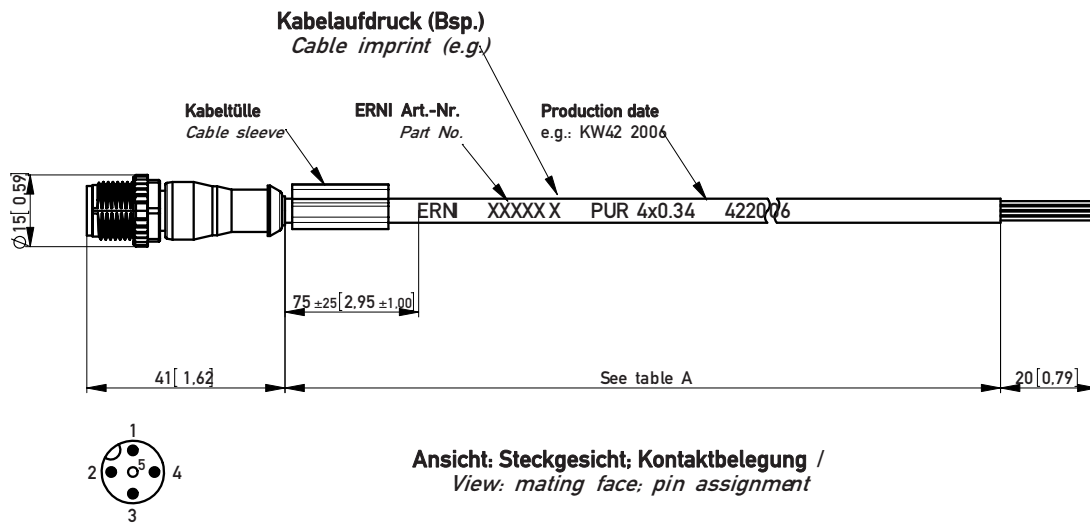


All Dimensions in mm

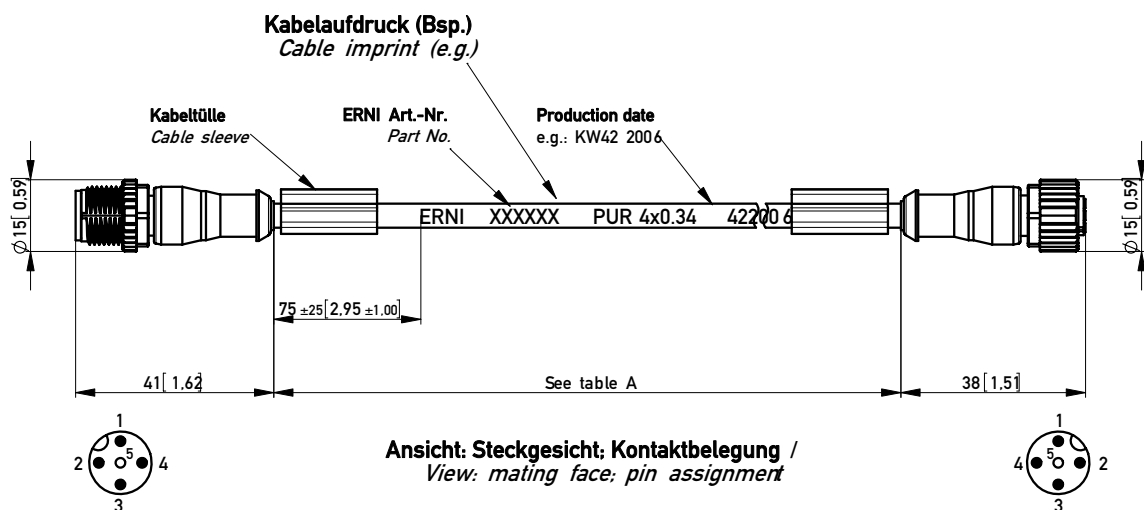
Female angled, with LED - Pigtail



Male straight - Pigtail



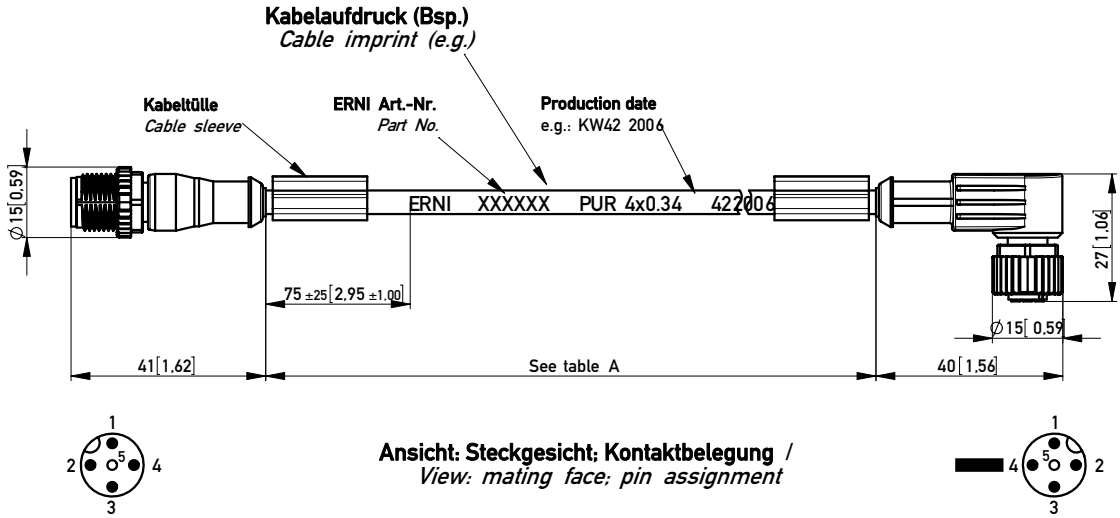
Male straight - Female straight



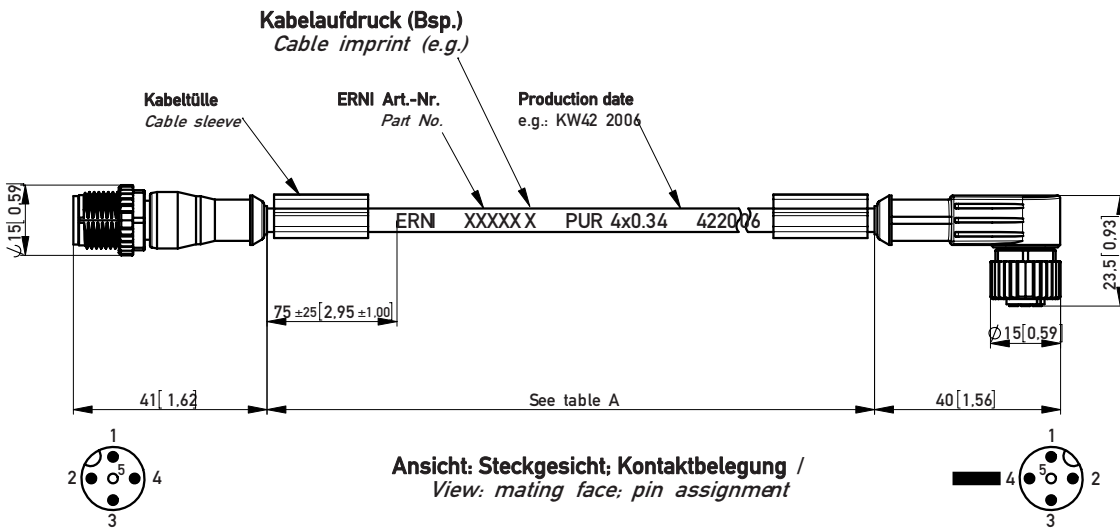
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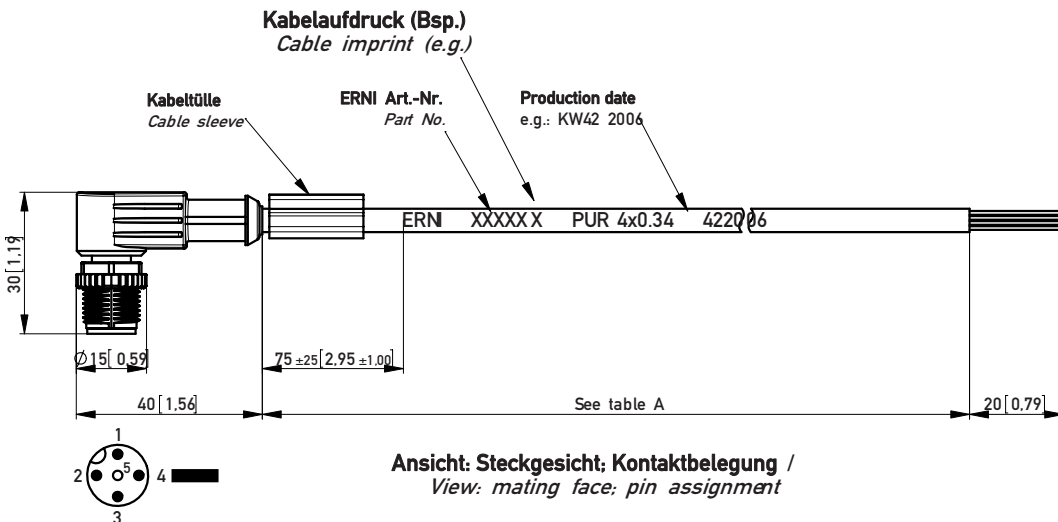
Male straight - Female angled



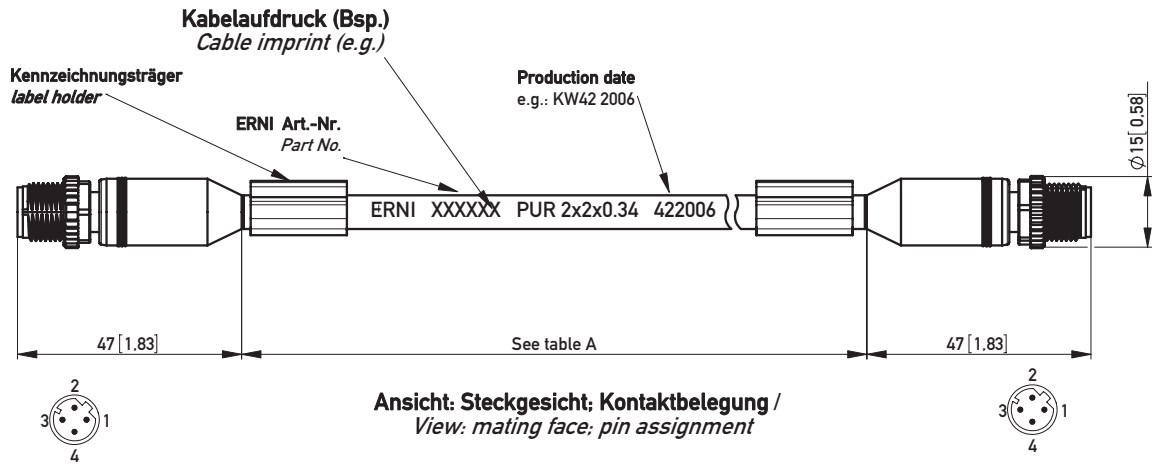
Male straight - Female angled, with LED



Male angled - Pigtail



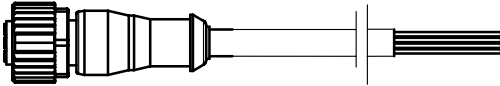
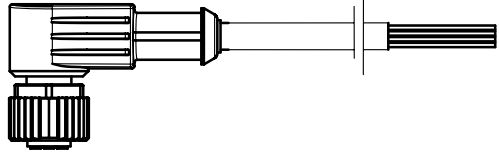
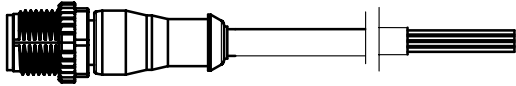
Male straight, D coding - Female straight, D coding



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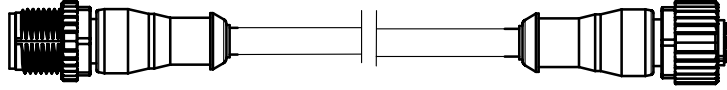
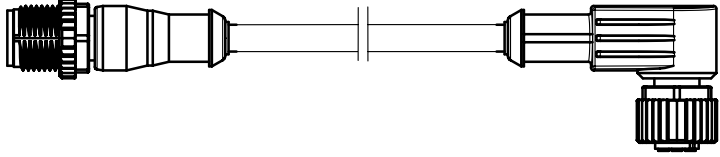
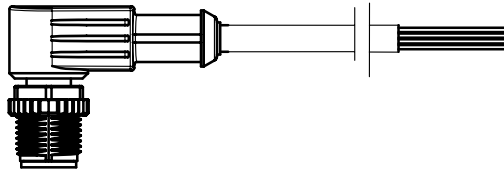
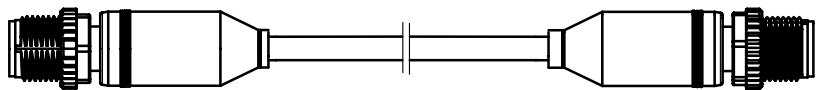
Ordering Information

Connector1	Connector2	No. of Pins	Length	Coding	Cable Type	Part Number
						
Female straight	None	4	2.0 m	A	PVC	223866
Female straight	None	4	3.0 m	A	PVC	223783
Female straight	None	4	3.0 m	A	PUR	223784
Female straight	None	5	1.5 m	A	PVC	223923
						
Female angled	None	4	1.5 m	A	PUR	223714
Female angled	None	4	3.0 m	A	PVC	223785
Female angled, with LED	None	4	3.0 m	A	PVC	223786
Female angled, with LED	None	4	3.0 m	A	PUR	223787
						
Male straight	None	4	1.5 m	A	PUR	223713
Male straight	None	4	3.0 m	A	PVC	223781

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Connector1	Connector2	No. of Pins	Length	Coding	Cable Type	Part Number
						
Male straight	Female straight	4	1.0 m	A	PVC	223788
Male straight	Female straight	4	1.0 m	A	PUR	223789
Male straight	Female straight	5	1.0 m	A	TPM, shielded (CAN; DeviceNet)	223944
Male straight	Female straight	5	1.0 m	A	PUR, shielded (CAN; DeviceNet)	354195
Male straight	Female straight	5	1.5 m	A	PUR, shielded (CAN; DeviceNet)	364415
						
Male straight	Female angled	4	1.0 m	A	PVC	223790
Male straight	Female angled	4	1.0 m	A	PUR	223791
Male straight	Female angled, with LED	4	0.3 m	A	PUR	223715
						
Male angled	None	4	3.0 m	A	PVC	223782
						
Male straight	Male straight	4	1.5 m	D	PUR, shielded (Ethernet)	223922
Male straight	Male straight	4	3.0 m	D	PUR, shielded (Ethernet)	223921