Cables

Table of contents: Cables

Cables	Page
Motor cables	152
Encoder cables	160
Proximity switch cables	166
Power cables	170
Sensor-actuator cables	171

Motor cables	2 m	3 m	4 m	5 m	6 m	8 m	10 m
M5- .... -0-open-1				50075693			50224179
M10- .... -0-open-1				50219768			50249065
M12- .... -0-open-1				50290459			50310506
M12- .... -90-open-1				50290460			50310507
M14- .... -0-0-1		50311491		50341510			
M15- .... -0-0-1		50332418		50338977			
M15- .... -90-0-1		50332420		50338978			
M16- .... -0-1-X			50463073		50463076	50463078	
M16- ....-0-1-1			50437168		50437167	50427023	
Extension M16/M20- .... -0-0-1	50450944		50427026		50463082		
Extension M16/M20- .... -0-0-2	50463081						
M17- .... -0-1-1			50437170		50437169	50427021	
Extension M17/M22/M23/M24- .... -0-0-1	50463084		50427024		50463087		
Extension M17/M22/M23/M24- .... -0-0-2	50463085		50463086				
M18- .... -0-open				50450380			50446251
M19- ....-0-0-1		50459733		50459734			
M20- .... -0-2-X			50463088		50463090	50463092	
M20- .... -0-2-1			50463089		50463091	50463093	
M22- .... -0-2-1			50463100		50463101	50463103	
M23- .... -0-1-X			50463104		50463105	50463106	
M24- .... -0-2-X			50463107		50463108	50463109	
M27- .... -0-open-1				50545333			50545334
M27- .... -90-open-1				50545335			50545336

Encoder cables	2 m	3 m	4 m	5 m	6 m	8 m	10 m
G5-.... -0-0-1				50075695			50224183
G6- .... -0-0-1				50100693			50224185
G10- .... -0-0-1				50297199			50310508
G10- .... -90-0-1				50297200			50310509
G12- .... -0-0-1		50332416		50338975			
G12- .... -90-0-1		50332417		50338976			
G14- .... -0-0-1		50443145		50439300			50450518
G14- .... -90-0-1		50450519		50450520			50450521
G16- .... -0-0-1				50450376			50446252
G18- .... -0-0-1							50468310
G18- .... -90-0-1							50468311
Extension G18- .... -0-0-1	50468312			50468313			
G19- .... -0-0-1							50468314
G19- .... -90-0-1							50468315

Proximity switch cables	0.1 m	0.6 m	1.5 m	2 m	3 m	5 m	10 m
R1- .... -0-open-1				11006443	50340925	11006446	50072072
R1- .... -90-open-1				11006447	50340954	11007826	50310513
R2- .... -0-0-1		11015003			50340271	11017754	
R2- .... -90-0-1					50340272	50340903	
R3- .... -0-open-1				11006428		11006431	50098553
R3- .... -90-open-1				11006429		11006430	
R6- .... -0-0-1			50164838				
R10- .... -0-0-1	50386489						

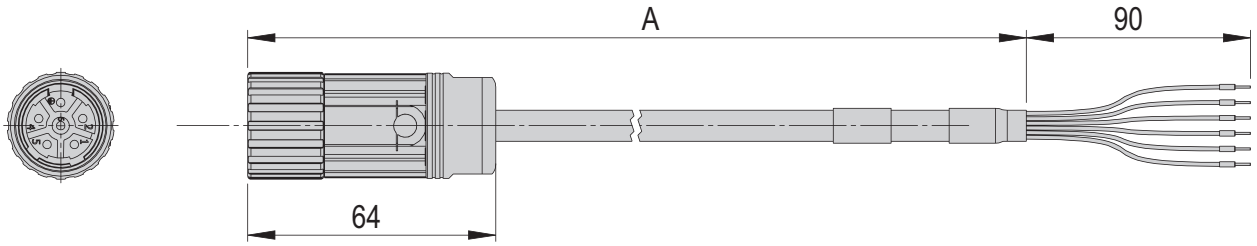
Sensor-actuator cable	0.1 m	0.6 m	1.5 m	2 m	3 m	5 m	10 m
S1-0-open		50512492					
S2-0-open						50512467	
S3-0-open				50359710		11007828	
S3-90-open				50551477		50551478	
S4-0-0			50573863		50573865		
S4-90-0			50573864		50573866		
S4-0-open						50573867	50573870
S4-90-open						50573868	50573871

Cable nomenclature:
Cable designation - Cable type - Cable length - Plug, module side - Plug, controller side - Cable type
e. g. Motor cable-M5-5m-0-open-1:

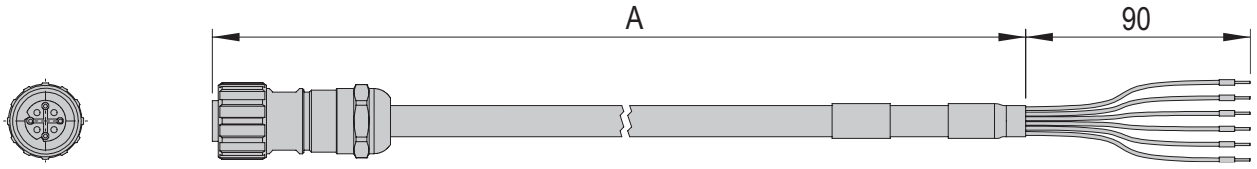
Cable designation:
M: Motor cabel
G: Encoder cable
R: Proximity switch cable
S: Sensor-actuator cable
Cable type:
M5: Cable type
Cable length:
5m: Cable length in m
Plug, module side:
0: Plug, straight
90: Plug, 90° angle
Plug, controller side:
0: Plug, straight
1: Plug, straight/motor phases with additional plug
2: Plug, straight/motor phases open
3: Plug, straight/open wires
open: open wires
Cable type
X: Non-moving transfer
1: Moving transfer, drag chain
2: Moving transfer, robot

Cables

Motor cable-M5	5m-0-open-1	10m-0-open-1
Order number	**50075693**	**50224179**
Net weight	0.2 kg	0.4 kg
Cable Ø	11.2 mm	11.3 mm
Min. bending radii	90 mm	90 mm
Material	PUR	PUR
A	5 m	10 m

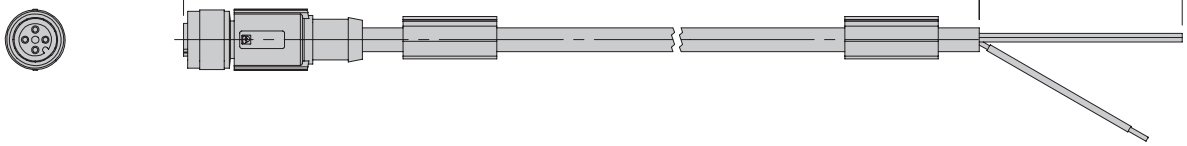


Motor cable-M10	5m-0-open-1	10m-0-open-1
Order number	**50219768**	**50249065**
Net weight	0.6 kg	1.1 kg
Cable Ø	10 mm	10 mm
Min. bending radii	90 mm	90 mm
Material	PUR	PUR
A	5 m	10 m

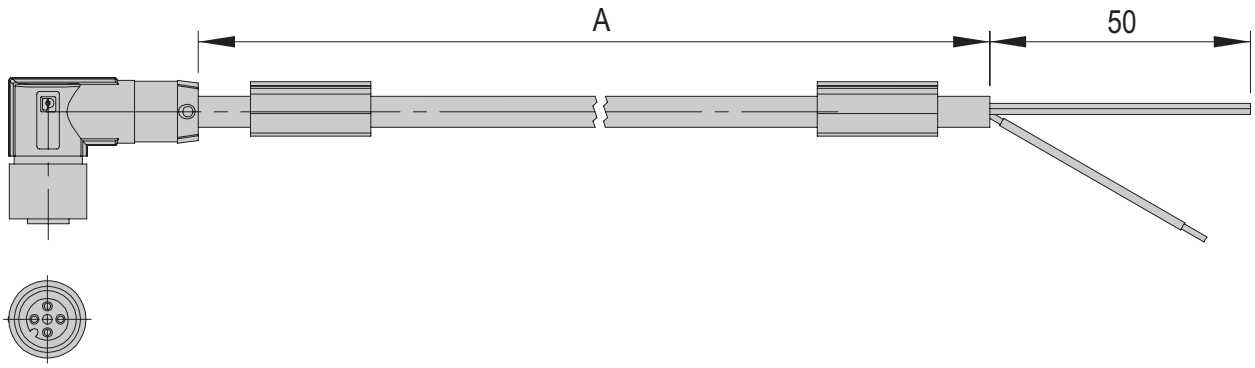


Cables

Motor cable-M12	5m-0-open-1	10m-0-open-1
Order number	**50290459**	**50310506**
Net weight	0.1 kg	0.2 kg
Cable Ø	6 mm	6 mm
Min. bending radii	90 mm	90 mm
Material	PUR	PUR
A	5 m	10 m

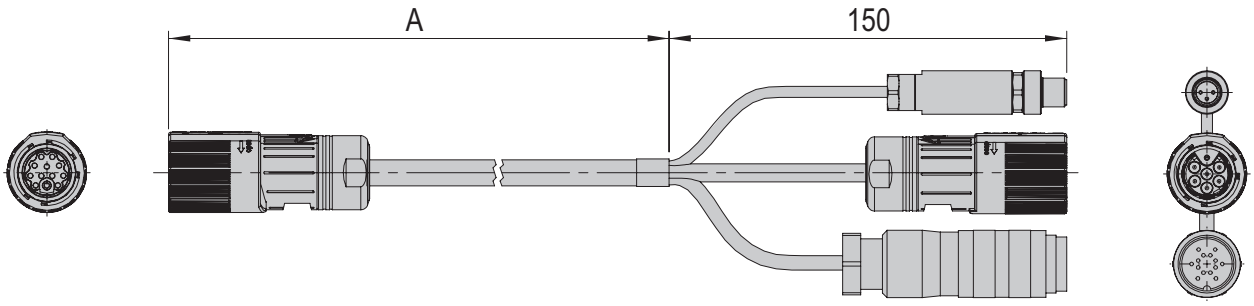


Motor cable-M12-90	5m-90-open-1	10m-90-open-1
Order number	**50290460**	**50310507**
Net weight	0.1 kg	0.2 kg
Cable Ø	6 mm	6 mm
Min. bending radii	90 mm	90 mm
Material	PUR	PUR
A	5 m	10 m

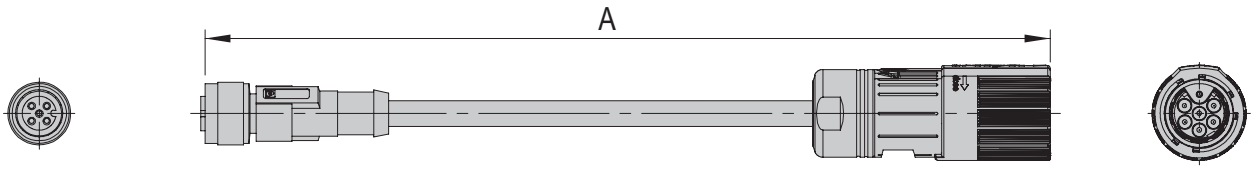


Cables

Motor cable-M14	3m-0-0-1	5m-0-0-1
Order number	**50311491**	**50341510**
Net weight	0.3 kg	0.5 kg
Cable Ø	7 mm	7 mm
Min. bending radii	90 mm	90 mm
Material	PUR	PUR
A	3 m	5 m

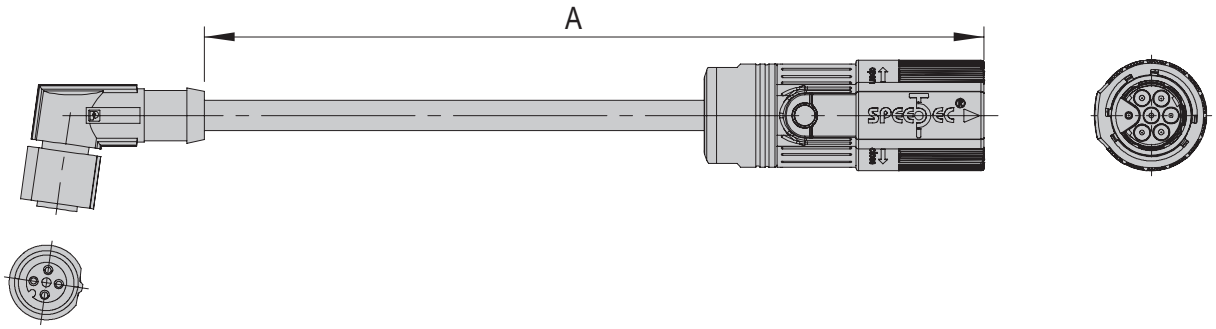


Motor cable-M15	3m-0-0-1	5m-0-0-1
Order number	**50332418**	**50338977**
Net weight	0.2 kg	0.3 kg
Cable Ø	6 mm	6 mm
Min. bending radii	90 mm	90 mm
Material	PUR	PUR
A	3 m	5 m

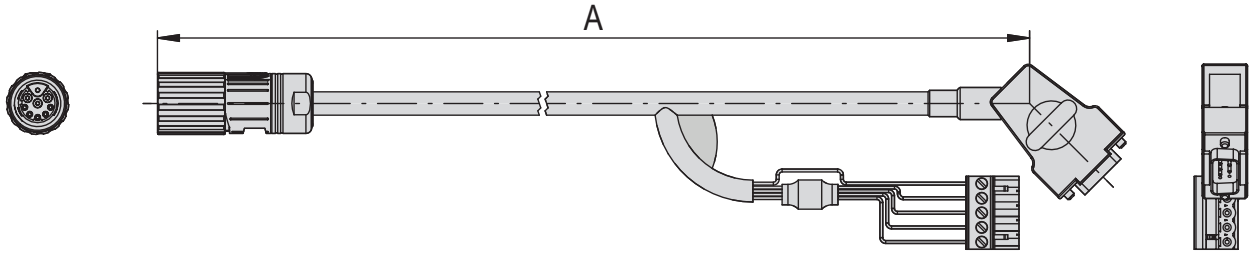


Cables

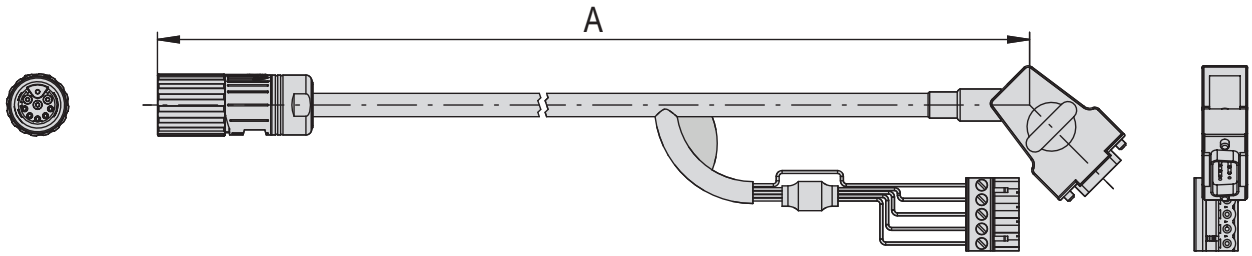
Motor cable-M15-90	3m-90-0-1	5m-90-0-1
Order number	**50332420**	**50338978**
Net weight	0.1 kg	0.2 kg
Cable Ø	6 mm	6 mm
Min. bending radii	90 mm	90 mm
Material	PUR	PUR
A	3 m	5 m



Motor cable-M16-0-1-X	4m-0-1-X	6m-0-1-X	8m-0-1-X
Order number	**50463073**	**50463076**	**50463078**
Net weight	0.6 kg	0.9 kg	1.2 kg
Cable Ø	8.2 mm	8.2 mm	8.2 mm
Min. bending radii	static 25 mm	static 25 mm	static 25 mm
Material	PUR	PUR	PUR
A	4 m	6 m	8 m

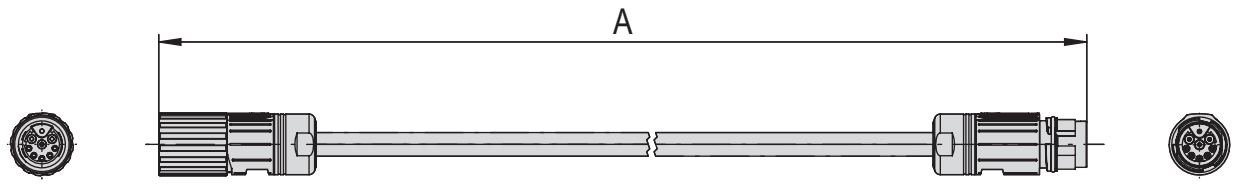


Motor cable M16-0-1-1	4m-0-1-1	6m-0-1-1	8m-0-1-1
Order number	**50437168**	**50437167**	**50427023**
Net weight	0.6 kg	0.9 kg	1.2 kg
Cable Ø	9.5 mm	9.5 mm	9.5 mm
Min. bending radii	60 mm	60 mm	60 mm
Material	PUR	PUR	PUR
A	4 m	6 m	8 m

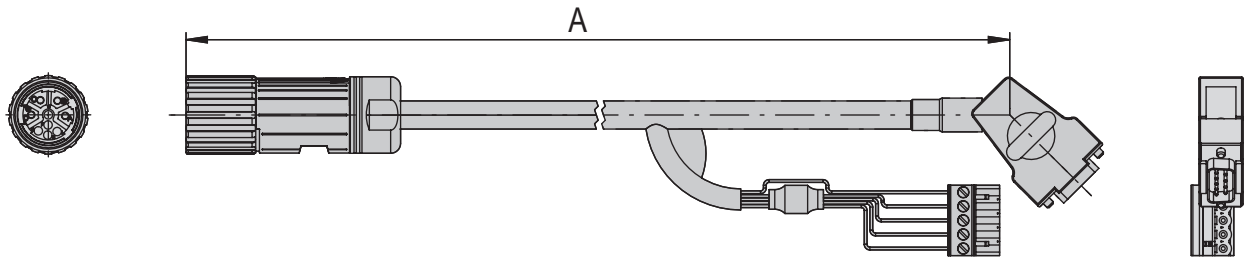


Cables

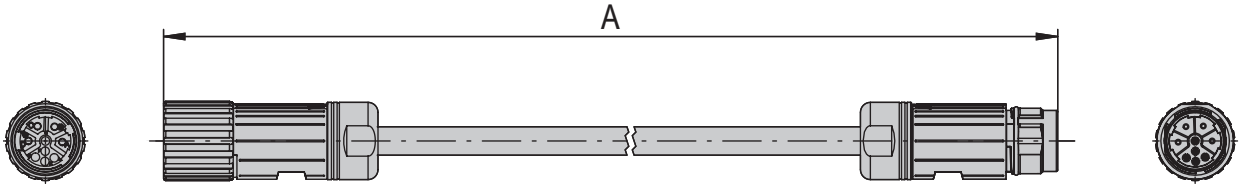
Motor cable extension for M16/M20-0-0-1/-2	2m-0-0-1	4m-0-0-1	6m-0-0-1	2m-0-0-2
Order number	**50450944**	**50427026**	**50463082**	**50463081**
Net weight	0.3 kg	0.6 kg	0.9 kg	0.2 kg
Cable Ø	9.5 mm	9.5 mm	9.5 mm	9.7 mm
Min. bending radii	60 mm	60 mm	60 mm	60 mm
Material	PUR	PUR	PUR	PUR
A	2 m	4 m	6 m	2 m



Motor cable-M17-0-1-1	4m-0-1-1	6m-0-1-1	8m-0-1-1
Order number	**50437170**	**50437169**	**50427021**
Net weight	0.6 kg	0.8 kg	1.1 kg
Cable Ø	10.8 mm	10.8 mm	10.8 mm
Min. bending radii	100 mm	100 mm	100 mm
Material	PUR	PUR	PUR
A	4 m	6 m	8 m

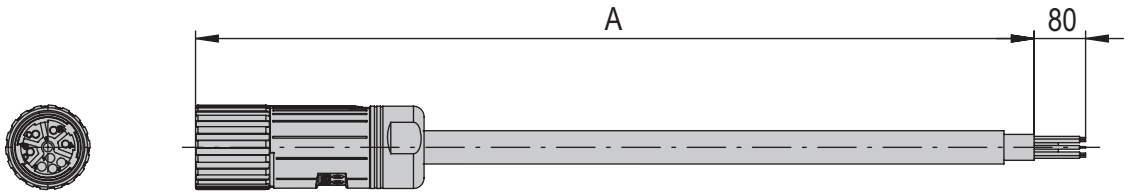


Motor cable extension for M17/M22/M23/ M24-0-0-1/-2	2m-0-0-1	4m-0-0-1	6m-0-0-1	2m-0-0-2	4m-0-0-2
Order number	**50463084**	**50427024**	**50463087**	**50463085**	**50463086**
Net weight	0.4 kg	0.8 kg	1.2 kg	0.4 kg	0.8 kg
Cable Ø	10.8 mm	10.8 mm	10.8 mm	10.9 mm	10.9 mm
Min. bending radii	100 mm	100 mm	100 mm	100 mm	100 mm
Material	PUR	PUR	PUR	PUR	PUR
A	2 m	4 m	6 m	2 m	4 m

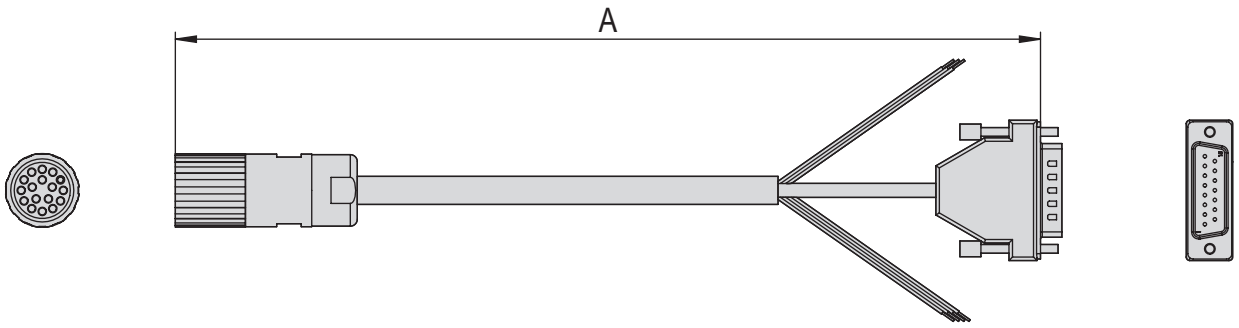


Cables

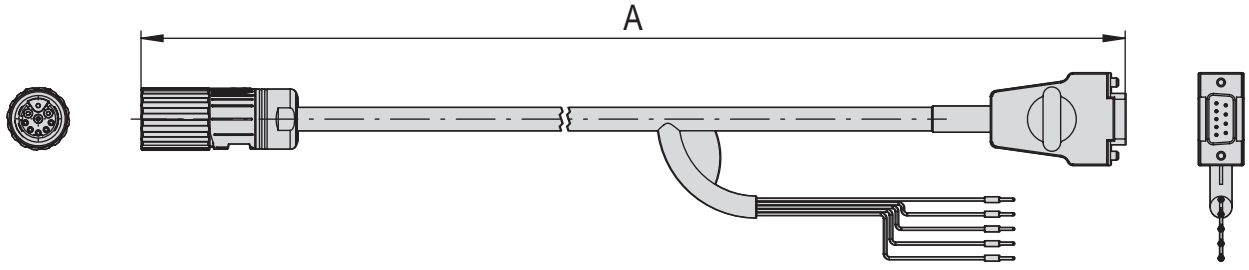
Motor cable-M18	5m-0-open-1	10m-0-open-1
Order number	**50450380**	**50446251**
Net weight	0.5 kg	0.6 kg
Cable Ø	10.2 mm	10.2 mm
Min. bending radii	120 mm	120 mm
Material	PUR	PUR
A	5 m	10 m



Motor cable-M19-0-0-1	3m-0-0-1	5m-0-0-1
Order number	**50459733**	**50459734**
Net weight	1 kg	1.3 kg
Cable Ø	8.3 mm	8.3 mm
Min. bending radii	90 mm	90 mm
Material	PUR	PUR
A	3 m	5 m

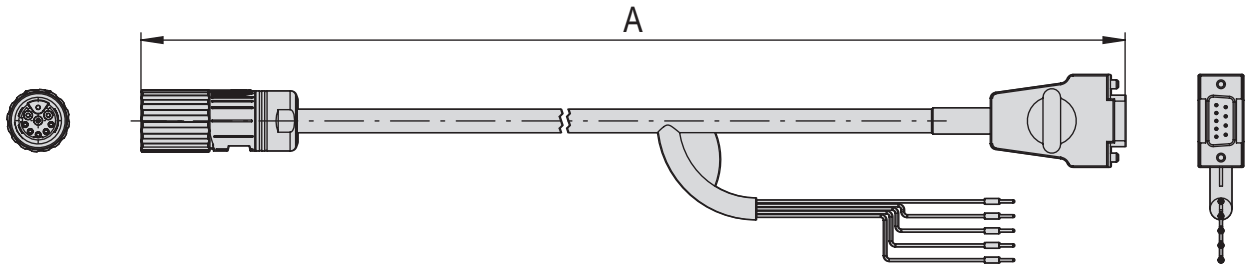


Motor cable-M20-0-2-X	4m-0-2-X	6m-0-2-X	8m-0-2-X
Order number	**50463088**	**50463090**	**50463092**
Net weight	0.6 kg	0.9 kg	1.2 kg
Cable Ø	8.2 mm	8.2 mm	8.2 mm
Min. bending radii	static 25 mm	static 25 mm	static 25 mm
Material	PUR	PUR	PUR
A	4 m	6 m	8 m

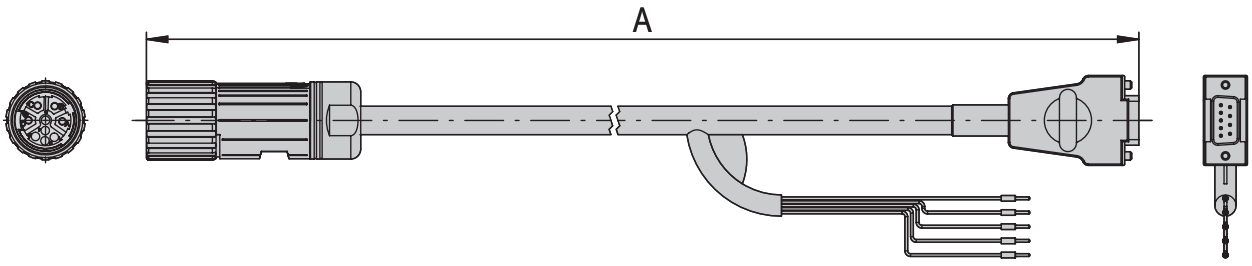


Cables

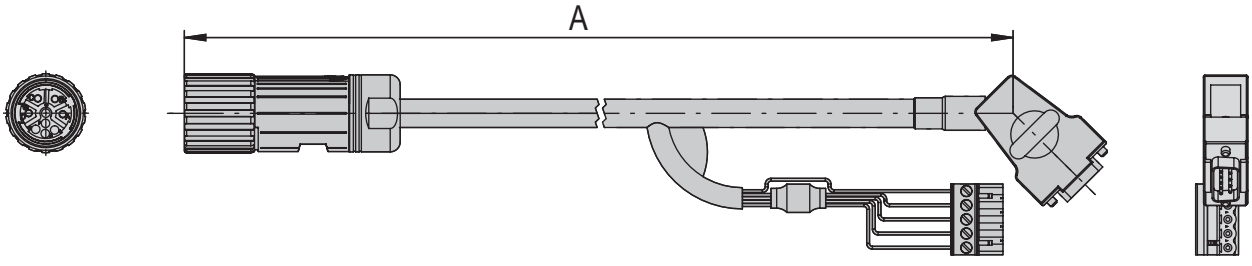
Motor cable-M20-0-2-1	4m-0-2-1	6m-0-2-1	8m-0-2-1
Order number	**50463089**	**50463091**	**50463093**
Net weight	0.6 kg	1 kg	1.3 kg
Cable Ø	9.5 mm	9.5 mm	9.5 mm
Min. bending radii	60 mm	60 mm	60 mm
Material	PUR	PUR	PUR
A	4 m	6 m	8 m



Motor cable-M22-0-2-1	4m-0-2-1	6m-0-2-1	8m-0-2-1
Order number	**50463100**	**50463101**	**50463103**
Net weight	0.7 kg	1.1 kg	1.4 kg
Cable Ø	10.8 mm	10.8 mm	10.8 mm
Min. bending radii	100 mm	100 mm	100 mm
Material	PUR	PUR	PUR
A	4 m	6 m	8 m

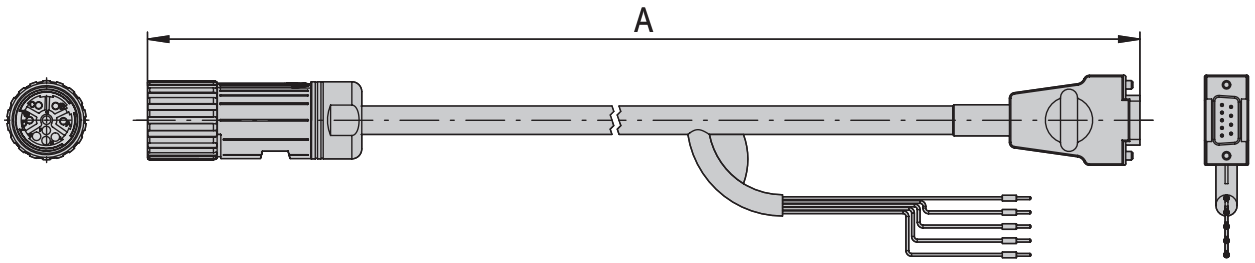


Motor cable-M23-0-1-X	4m-0-1-X	6m-0-1-X	8m-0-1-X
Order number	**50463104**	**50463105**	**50463106**
Net weight	1 kg	1.5 kg	2 kg
Cable Ø	11.2 mm	11.2 mm	11.2 mm
Min. bending radii	static 50 mm	static 50 mm	static 50 mm
Material	PUR	PUR	PUR
A	4 m	6 m	8 m

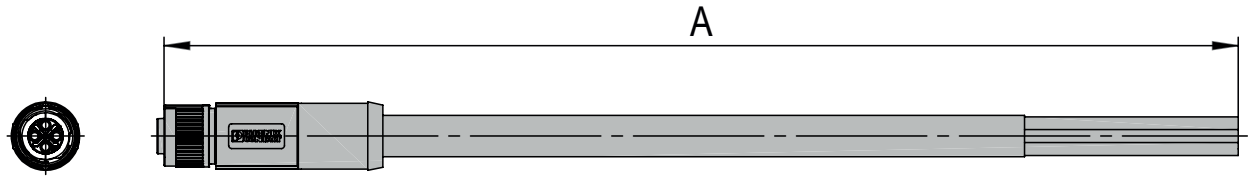


Cables

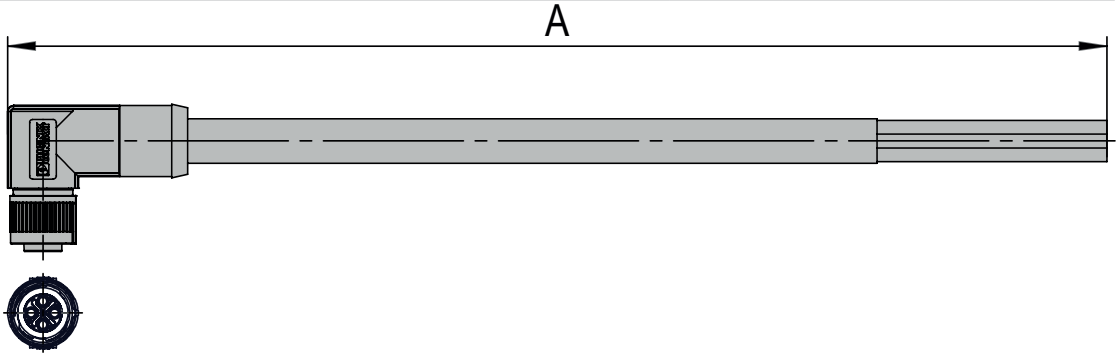
Motor cable-M24-0-2-X	4m-0-2-X	6m-0-2-X	8m-0-2-X
Order number	**50463107**	**50463108**	**50463109**
Net weight	1 kg	1.5 kg	2 kg
Cable Ø	11.2 mm	11.2 mm	11.2 mm
Min. bending radii	50 mm	50 mm	50 mm
Material	PUR	PUR	PUR
A	4 m	6 m	8 m



Motor cable-M27	5m-0-open-1	10m-0-open-1
Order number	**50545333**	**50545334**
Net weight	0.75 kg	1.47 kg
Cable Ø	9.7 mm	9.7 mm
Min. bending radii	97 mm	97 mm
Material	PUR	PUR
A	5 m	10 m

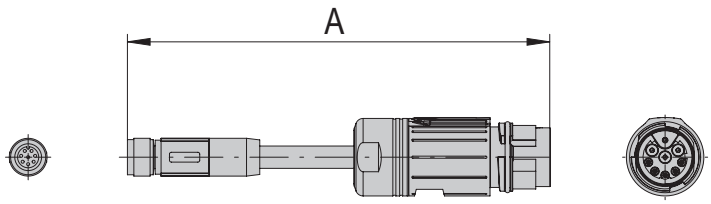


Motor cable-M27-90	5m-90-open-1	10m-90-open-1
Order number	**50545335**	**50545336**
Net weight	0.75 kg	1.48 kg
Cable Ø	9.7 mm	9.7 mm
Min. bending radii	97 mm	97 mm
Material	PUR	PUR
A	5 m	10 m

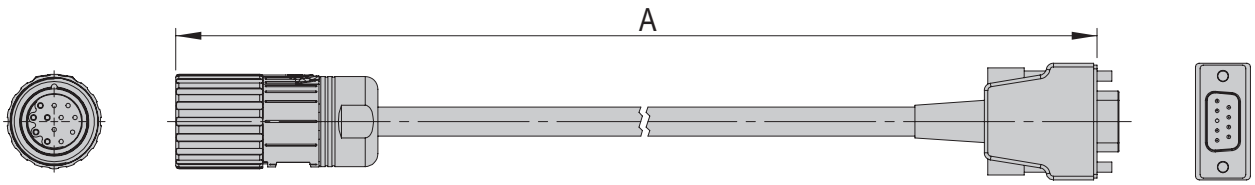


Encoder cables

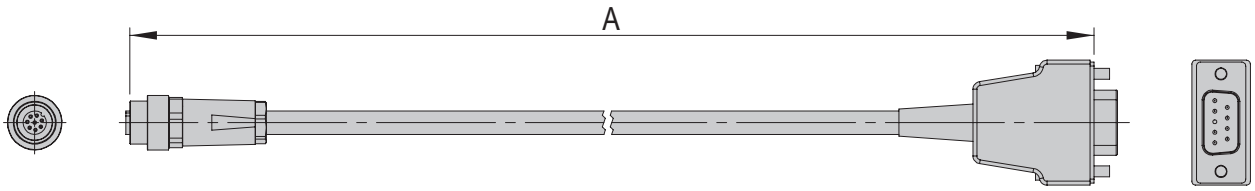
Adapter ES8/12 cable M16	
Order number	**50455642**
Net weight	0.1 kg
Cable Ø	11.2 mm
Min. bending radii	static 50
Material	PUR
A	0.11 m



Encoder cable-G5	5m-0-0-1	10m-0-0-1
Order number	**50075695**	**50224183**
Net weight	0.4 kg	0.7 kg
Cable Ø	7 mm	7 mm
Min. bending radii	90 mm	90 mm
Material	PUR	PUR
A	5 m	10 m

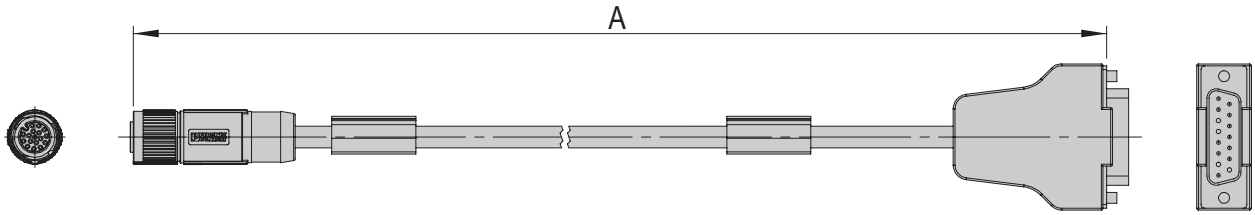


Encoder cable-G6	5m-0-0-1	10m-0-0-1
Order number	**50100693**	**50224185**
Net weight	0.2 kg	0.4 kg
Cable Ø	7 mm	7 mm
Min. bending radii	90 mm	90 mm
Material	PUR	PUR
A	5 m	10 m

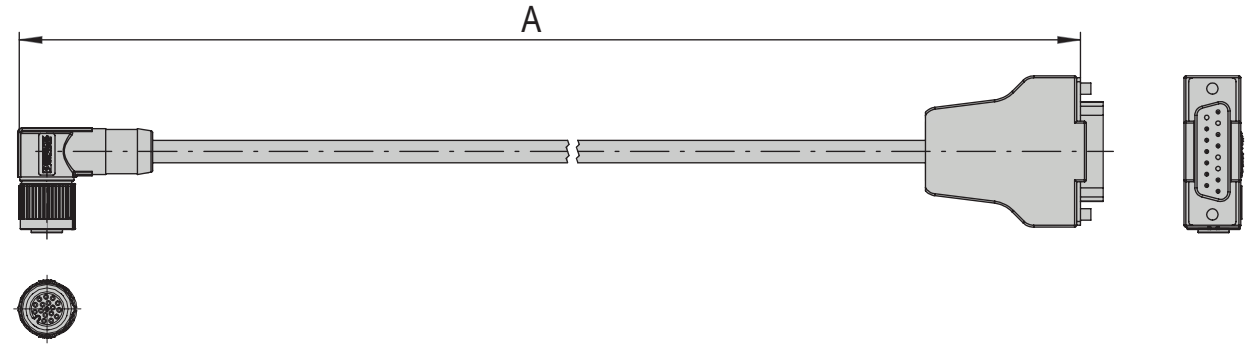


Encoder cables

Encoder cable-G10	5m-0-0-1	10m-0-0-1
Order number	**50297199**	**50310508**
Net weight	0.6 kg	1.2 kg
Cable Ø	9.2 mm	9.2 mm
Min. bending radii	90 mm	90 mm
Material	PUR	PUR
A	5 m	10 m

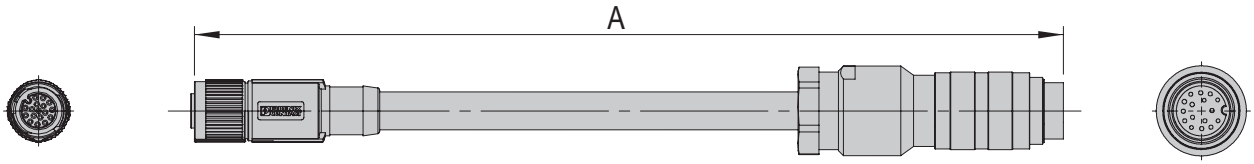


Encoder cable-G10-90	5m-90-0-1	10m-90-0-1
Order number	**50297200**	**50310509**
Net weight	0.6 kg	1.1 kg
Cable Ø	9.2 mm	9.2 mm
Min. bending radii	90 mm	90 mm
Material	PUR	PUR
A	5 m	10 m

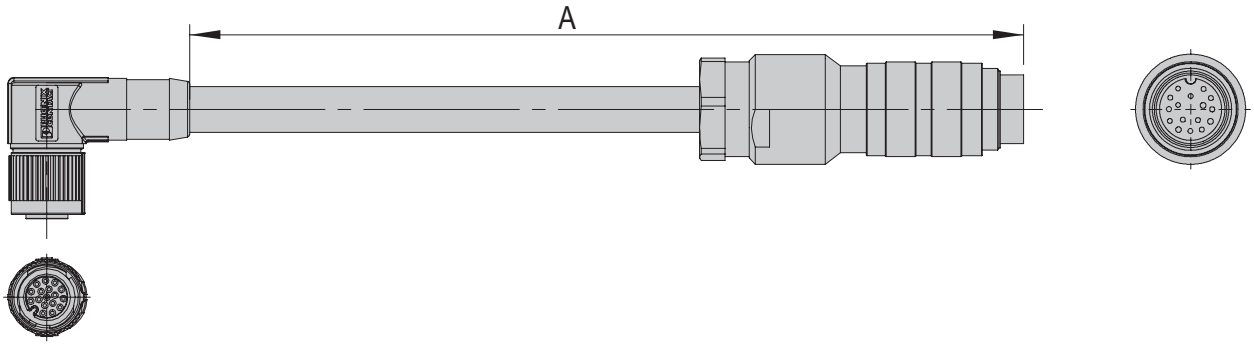


Encoder cables

Encoder cable-G12	3m-0-0-1	5m-0-0-1
Order number	**50332416**	**50338975**
Net weight	0.4 kg	0.6 kg
Cable Ø	9.2 mm	9.2 mm
Min. bending radii	90 mm	90 mm
Material	PUR	PUR
A	3 m	5 m

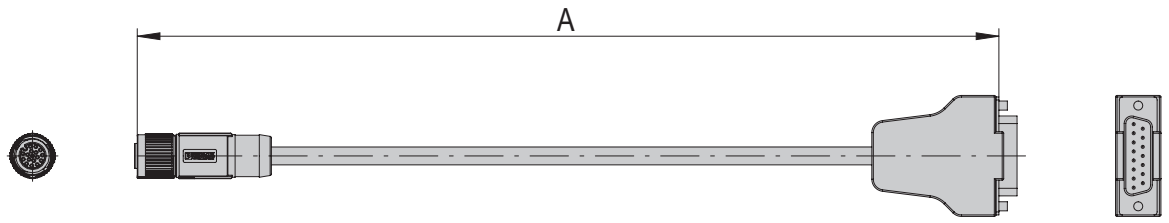


Encoder cable-G12-90	3m-90-0-1	5m-90-0-1
Order number	**50332417**	**50338976**
Net weight	0.4 kg	0.6 kg
Cable Ø	9.2 mm	9.2 mm
Min. bending radii	90 mm	90 mm
Material	PUR	PUR
A	3 m	5 m

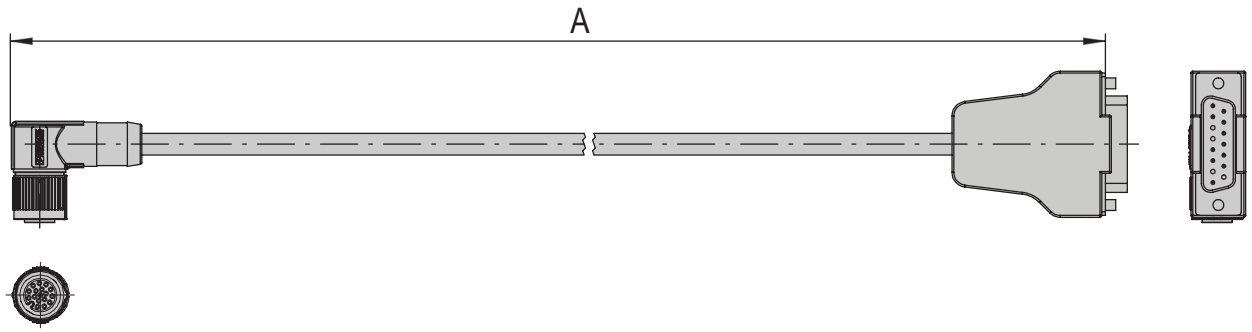


Encoder cables

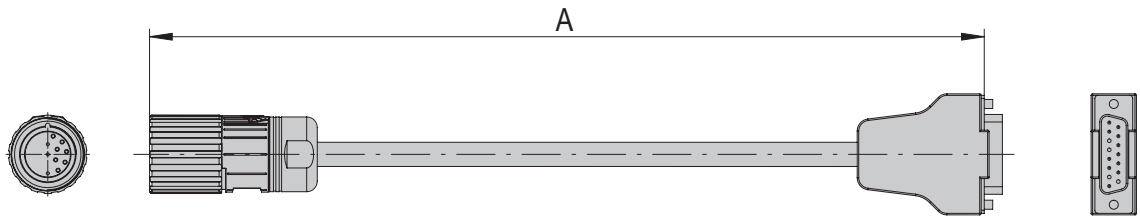
Encoder cable-G14	3m-0-0-1	5m-0-0-1	10m-0-0-1
Order number	**50443145**	**50439300**	**50450518**
Net weight	0.2 kg	0.3 kg	0.6 kg
A	3 m	5 m	10 m



Encoder cable-G14-90	3m-90-0-1	5m-90-0-1	10m-90-0-1
Order number	**50450519**	**50450520**	**50450521**
Net weight	0.1 kg	0.2 kg	0.4 kg
A	3 m	5 m	10 m

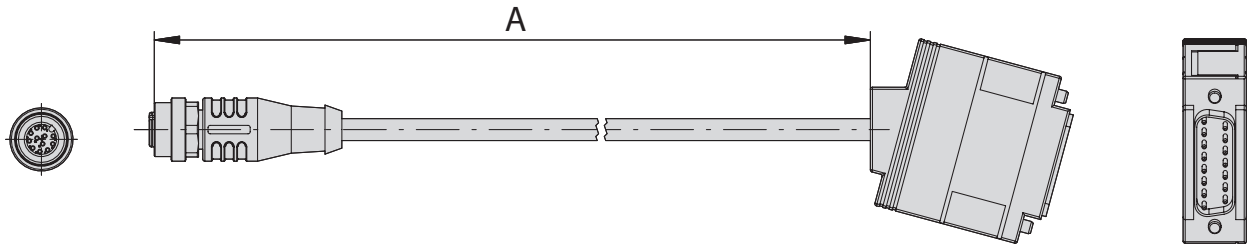


Encoder cable-G16	5m-0-0-1	10m-0-0-1
Order number	**50450376**	**50446252**
Net weight	0.4 kg	0.8 kg
A	5 m	10 m

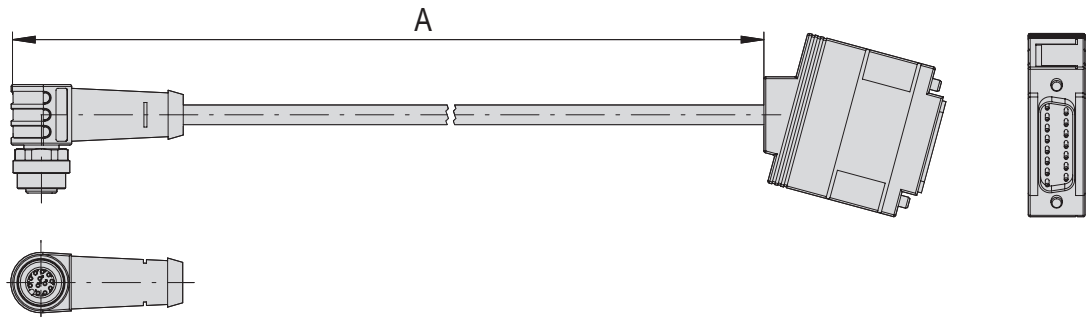


Encoder cables

Encoder cable-G18	10m-0-0-1
Order number	**50468310**
Net weight	0.6 kg
A	10 m

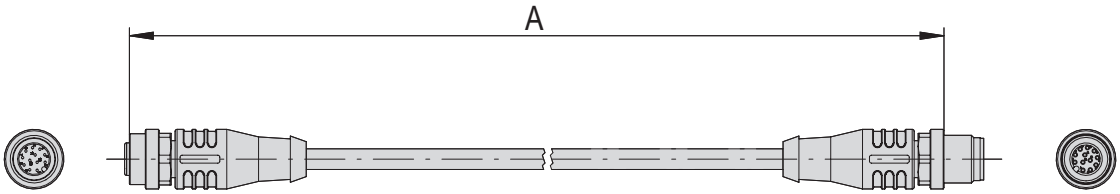


Encoder cable-G18-90	10m-90-0-1
Order number	**50468311**
Net weight	0.6 kg
A	10 m

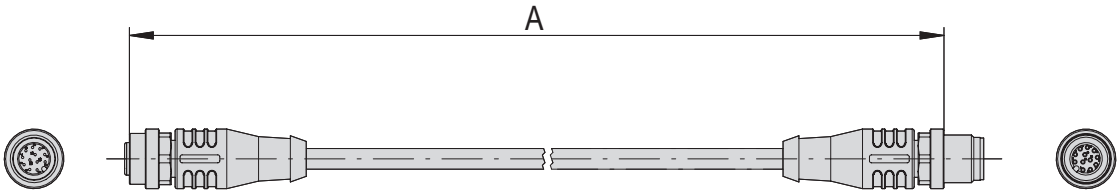


Encoder cables

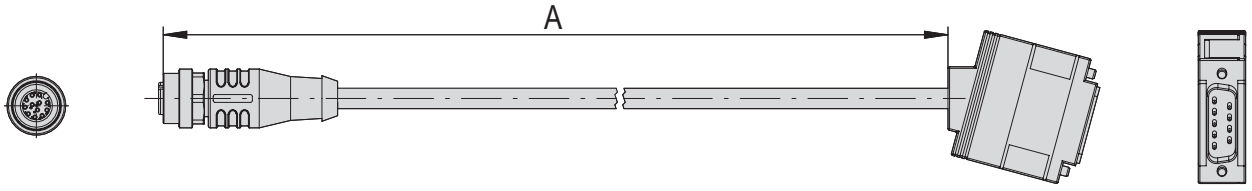
Extension-G18	2m-0-0-1
Order number	**50468312**
Net weight	0.1 kg
A	2 m



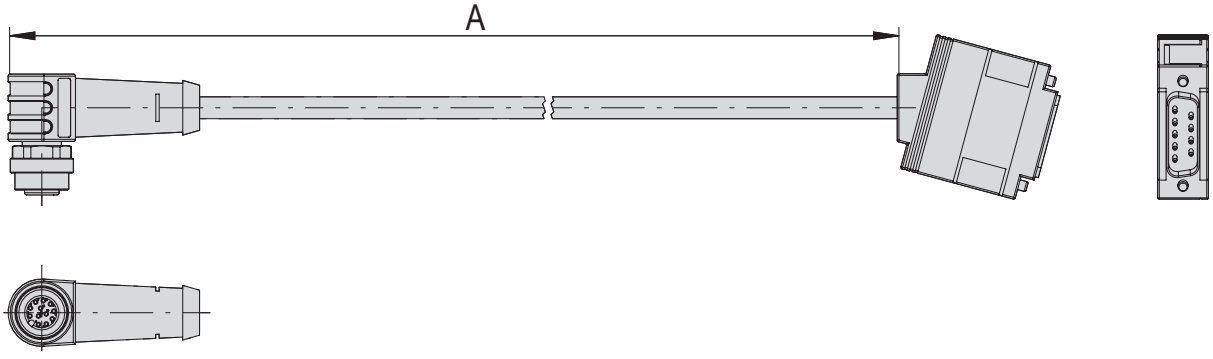
Extension-G18	5m-0-0-1
Order number	**50468313**
Net weight	0.3 kg
A	5 m



Encoder cable-G19	10m-0-0-1
Order number	**50468314**
Net weight	0.6 kg
A	10 m

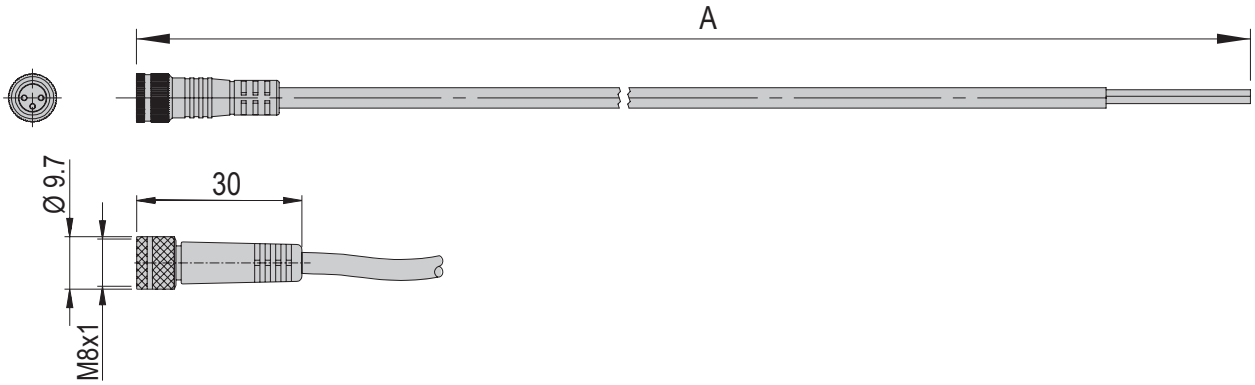


Encoder cable-G19-90	10m-0-0-1
Order number	**50468315**
Net weight	0.6 kg
A	10 m

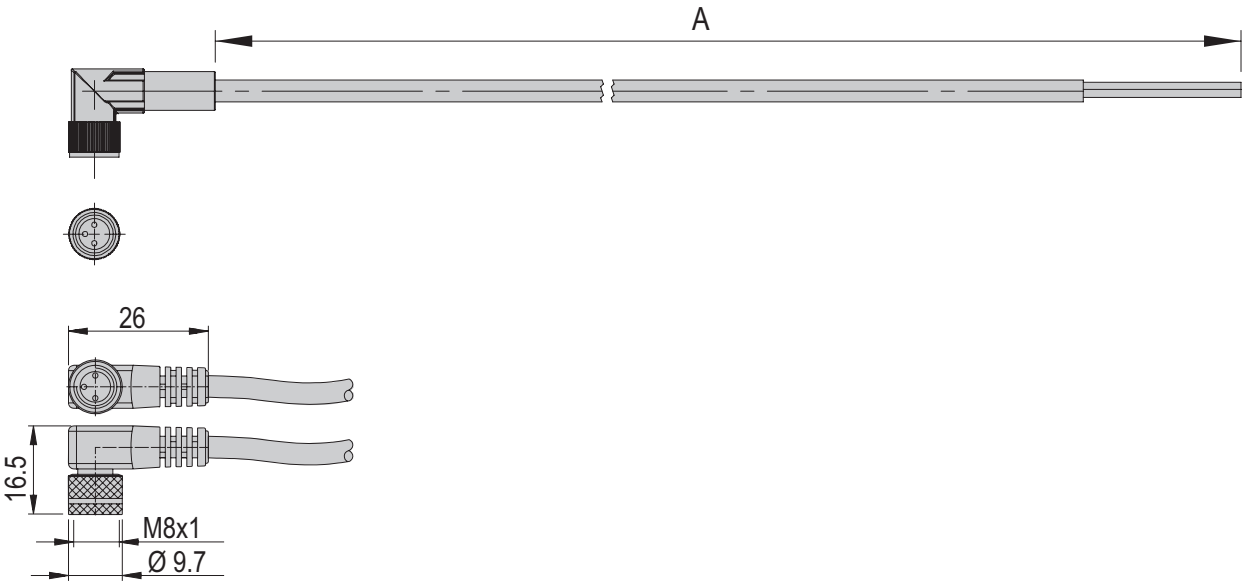


Proximity switch cables

Proximity switch cable-R1	2m-0-open	3m-0-open	5m-0-open	10m-0-open
Order number	**11006443**	**50340925**	**11006446**	**50072072**
Net weight	0.03 kg	0.03 kg	0.1 kg	0.2 kg
Cable Ø	4.5 mm	4.5 mm	4.5 mm	4.5 mm
Min. bending radii	50 mm	50 mm	50 mm	50 mm
Material	PUR	PUR	PUR	PUR
A	2 m	3 m	5 m	10 m

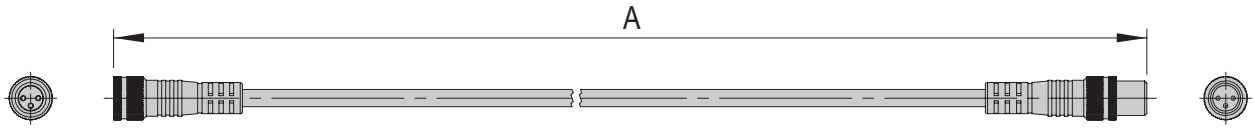


Proximity switch cable-R1-90	2m-90-open	3m-90-open	5m-90-open	10m-90-open
Order number	**11006447**	**50340954**	**11007826**	**50310513**
Net weight	0.04 kg	0.04 kg	0.1 kg	0.2 kg
Cable Ø	4.5 mm	4.5 mm	4.5 mm	4.5 mm
Min. bending radii	50 mm	50 mm	50 mm	50 mm
Material	PUR	PUR	PUR	PUR
A	2 m	3 m	5 m	10 m

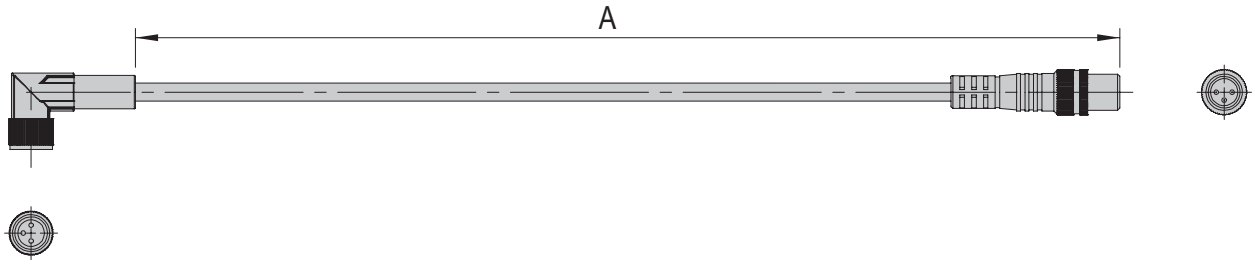


Proximity switch cables

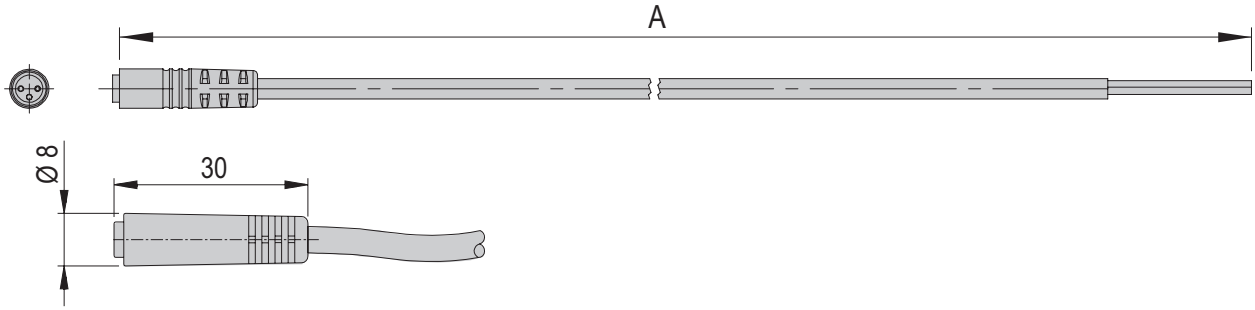
Proximity switch cable-R2	0.6m-0-0	3m-0-0	5m-0-0
Order number	**11015003**	**50340271**	**11017754**
Net weight	0.04 kg	0.07 kg	0.1 kg
Cable Ø	4.5 mm	4.5 mm	4.5 mm
Min. bending radii	50 mm	50 mm	50 mm
Material	PUR	PUR	PUR
A	0.6 m	3 m	5 m



Proximity switch cable-R2-90	3m-90-0	5m-90-0
Order number	**50340272**	**50340903**
Net weight	0.08 kg	0.1 kg
Cable Ø	4.5 mm	4.5 mm
Min. bending radii	50 mm	50 mm
Material	PUR	PUR
A	3 m	5 m

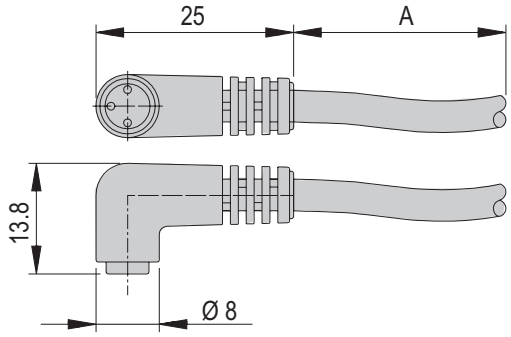


Proximity switch cable-R3	2m-0-open	5m-0-open	10m-0-open
Order number	**11006428**	**11006431**	**50098553**
Net weight	0.03 kg	0.1 kg	0.2 kg
Cable Ø	4.5 mm	4.5 mm	4.5 mm
Min. bending radii	50 mm	50 mm	50 mm
Material	PVC	PVC	PVC
A	2 m	5 m	10 m

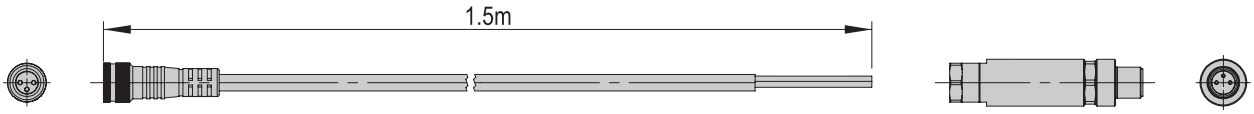


Proximity switch cables

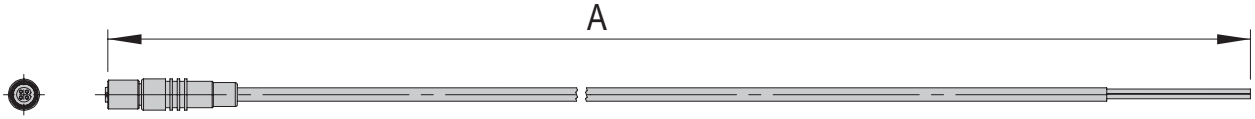
Proximity switch cable-R3-90	2m-90-open	5m-90-open
Order number	**11006429**	**11006430**
Net weight	0.03 kg	0.1 kg
Cable Ø	4.5 mm	4.5 mm
Min. bending radii	50 mm	50 mm
Material	PVC	PVC
A	2 m	5 m



Proximity switch cable-R6	1.5m-0-0
Order number	**50164838**
Net weight	0.07 kg
Cable Ø	4.5 mm
Min. bending radii	50 mm
Material	PUR

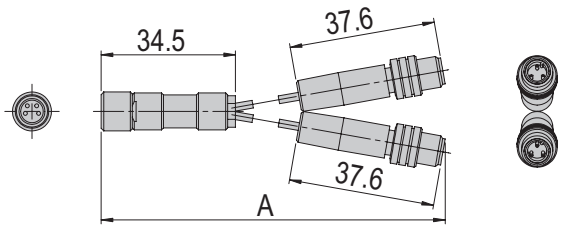


Proximity switch cable-R8	3m-0-open	5m-0-open	10n-0-open
Order number	**50340912**	**50265807**	**50310514**
Net weight	0.04 kg	0.07 kg	0.1 kg
Cable Ø	4.5 mm	4.5 mm	4.5 mm
Min. bending radii	50 mm	50 mm	50 mm
Material	PUR	PUR	PUR
A	3 m	5 m	10 m

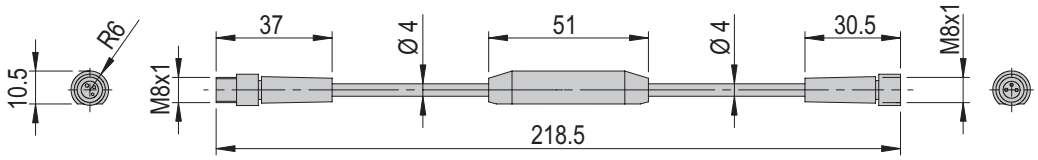


Proximity switch cables

Proximity switch cable-R10	0.1m-0-00
Order number	**50386489**
Net weight	0.05 kg
Cable Ø	3 mm
Min. bending radii	50 mm
Material	PUR
A	0.1 m

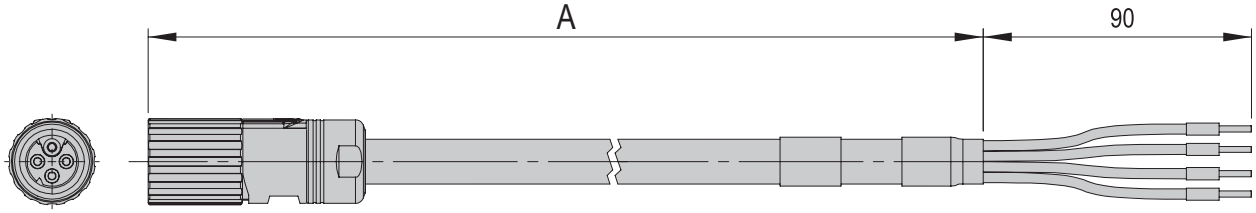


Converter PNP/NPN	
Order number	**50113272**
Net weight	0.01 kg
Cable Ø	4 mm



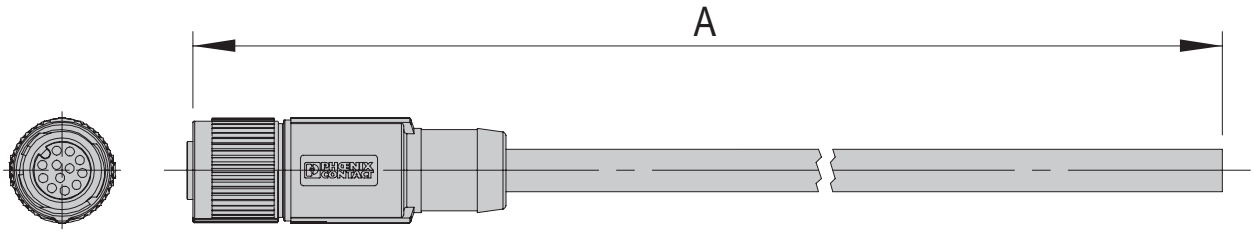
Power cables

Power cabel SE-24		
Order number	**50118124**	**50235739**
Net weight	1.1 kg	0.3 kg
Cable Ø	11.3 mm	11.3 mm
Material	PVC	PVC
A	5 m	10 m



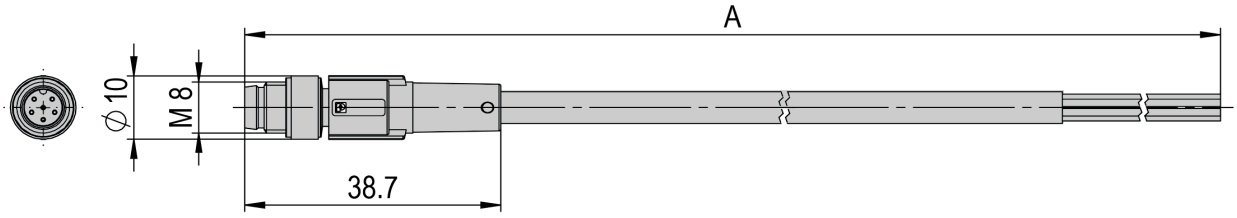
I/O cabels

I/O cable SE-24		
Order number	**50312913**	**50342940**
Net weight	0.03 kg	0.06 kg
Cable Ø	6 mm	6 mm
Material	PVC	PVC
A	5 m	10 m



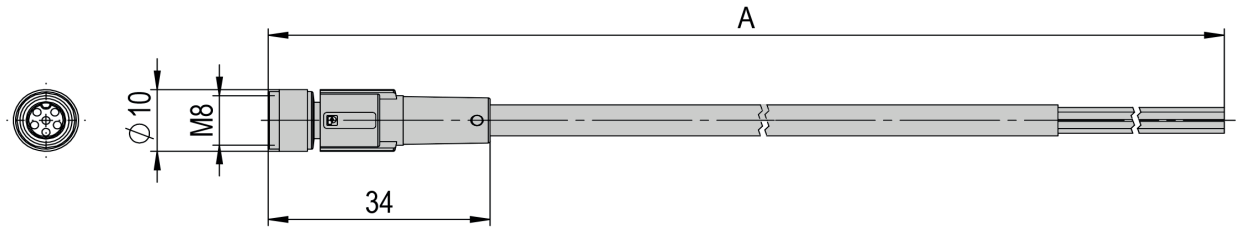
Sensor-actuator cables

Sensor-actuator cable-S1	0.6m-0-open-1
Order number	**50512492**
Net weight	0.04 kg
Cable Ø	5 mm
Material	PUR
A	0.6 m

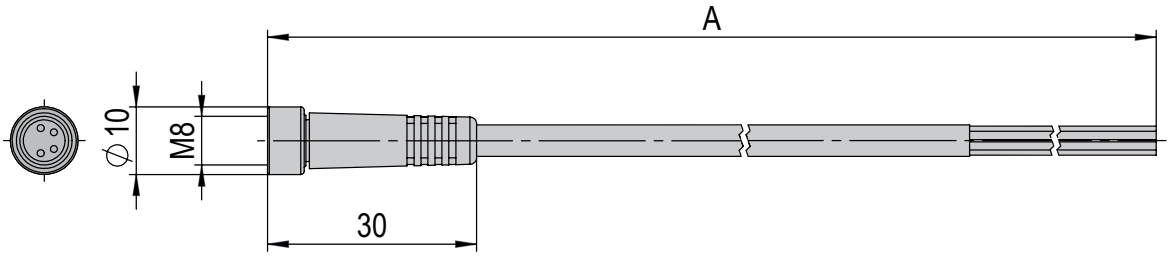


Sensor-actuator cables

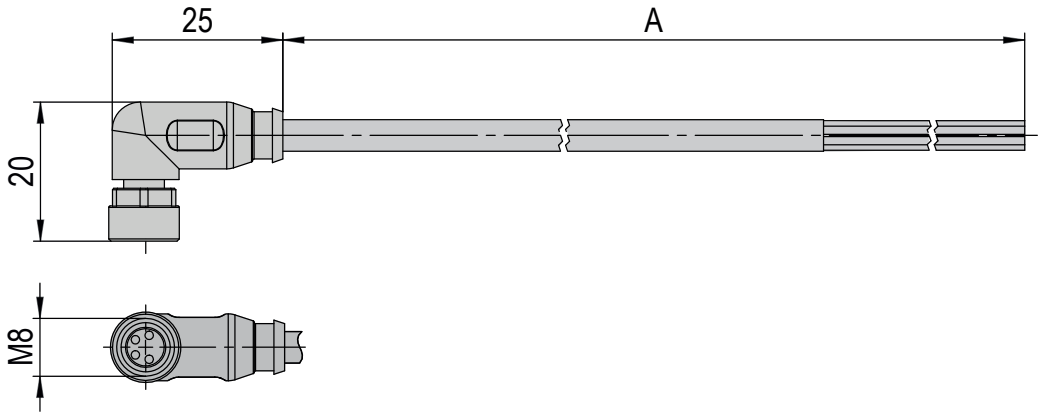
Sensor-actuator cable-S2	5m-0-open-1
Order number	**50512467**
Net weight	0.20 kg
Cable Ø	5 mm
Material	PUR
A	5 m



Sensor-actuator cable-S3	2m-0-open-1	5m-0-open-1
Order number	**50359710**	**11007828**
Net weight	0.01 kg	0.01 kg
Cable Ø	5 mm	5 mm
Material	PUR	PUR
A	2 m	5 m

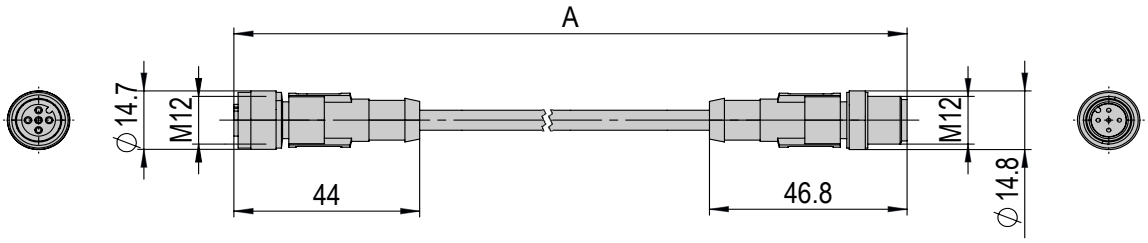


Sensor-actuator cable-S3	2m-90-open-1	5m-90-open-1
Order number	**50551477**	**50551478**
Net weight	0.01 kg	0.01 kg
Cable Ø	5 mm	5 mm
Material	PUR	PUR
A	2 m	5 m

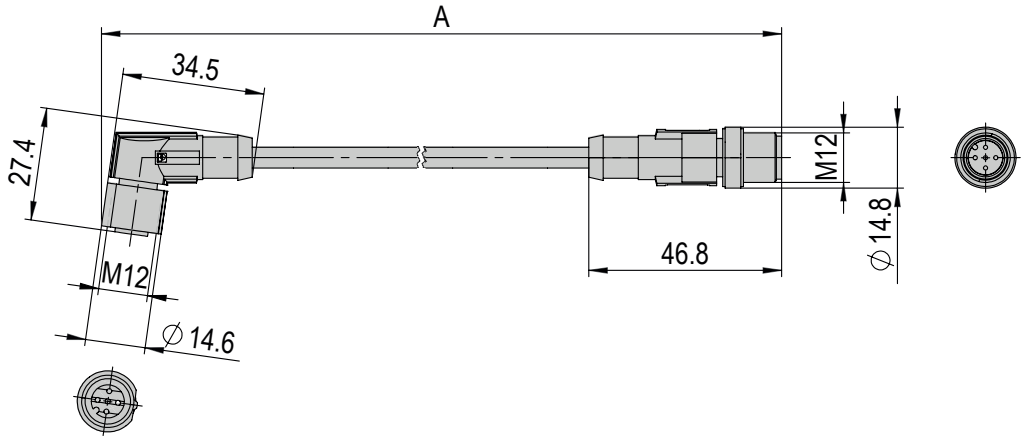


Sensor-actuator cables

Sensor-actuator cable-S4	1.5m-0-0-2	3m-0-0-2
Order number	**50573863**	**50573865**
Net weight	0.071 kg	0.120 kg
Cable Ø	5 mm	5 mm
Min. bending radii	40 mm	40 mm
Material	PUR	PUR
A	1.5 m	3 m

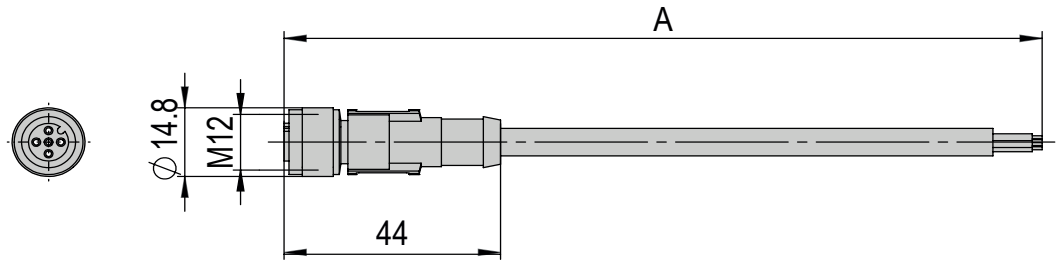
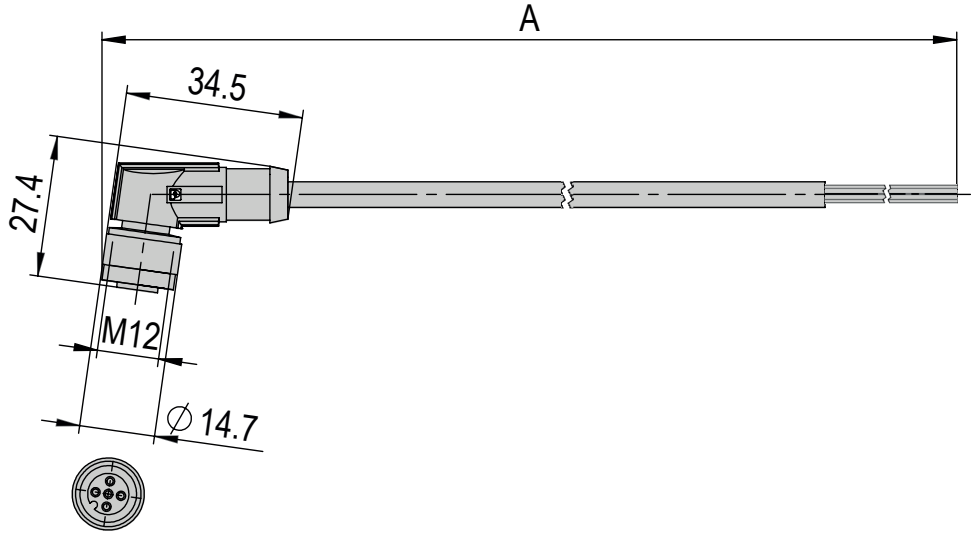


Sensor-actuator cable-S4	1.5m-90-0-2	3m-90-0-2
Order number	**50573864**	**50573866**
Net weight	0.078 kg	0.127 kg
Cable Ø	5 mm	5 mm
Min. bending radii	40 mm	40 mm
Material	PUR	PUR
A	1.5 m	3 m



Sensor-actuator cables

Sensor-actuator cable-S4	5m-0-open-2	10m-0-open-2
Order number	**50573867**	**50573870**
Net weight	0.185 kg	0.351 kg
Cable Ø	5 mm	5 mm
Min. bending radii	40 mm	40 mm
Material	PUR	PUR
A	5 m	10 m



Sensor-actuator cable-S4	5m-90-open-2	10m-90-open-2
Order number	**50573868**	**50573871**
Net weight	0.185 kg	0.351 kg
Cable Ø	5 mm	5 mm
Min. bending radii	40 mm	40 mm
Material	PUR	PUR
A	5 m	10 m