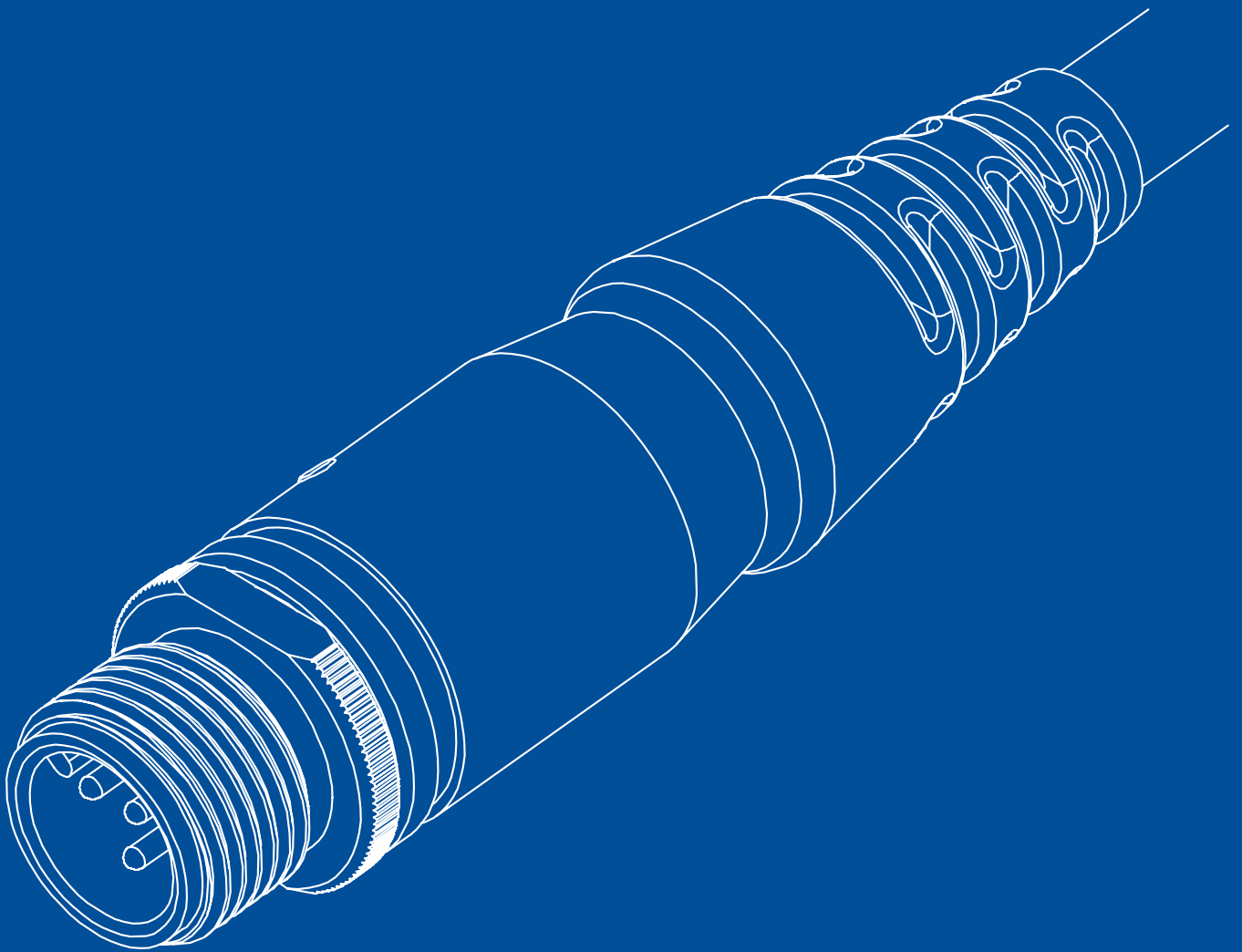


# M12 CIRCULAR CONNECTORS



Appointed distributor in  
North America



**OSSI®: CONNECT TO EXCELLENCE**

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CONNECTORS

CONNECTORS, PARTS AND  
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M12 CIRCULAR CONNECTORS CATALOGUE / EDITION 04





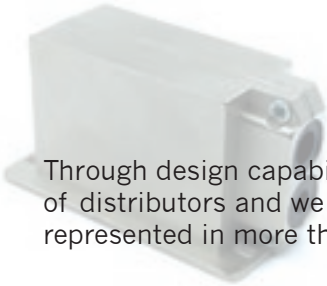
## Supply and Service

Ossi Connectors A/S® is a leading supplier in design and manufacturing of I/O interconnect products for the electronics, datacom, telecom, medical and industrial market sectors. Our vast experience of designing standard and custom design solutions positions us as the provider for your interconnection applications.



## Benefits

Through design capability, high quality and short lead times, our products are distributed by efficient network of distributors and we also co-operate with key accounts for special requirements. Ossi Connectors A/S® is represented in more than 25 countries and our distribution network is constantly growing.



## Capability

The fully automatic assembly and packaging machines with our experienced employees assure the quality standards and support our production processes. The manufacturing resources include design, prototypes and manufacturing of standard and custom designed products. The engineering department supports our clients through the entire concept stage from idea to serial production.



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M12 Circular connectors, mating face according to IEC 61076-2-101

Coding	Male	Female	Coding	Male	Female
A-Coding 3-way			C-Coding 3-way		
4-way			4-way		
5-way			5-way		
8-way			D-Coding 4-way		
B-Coding 5-way			P-Coding 5-way		

### Litz wire colours M12 device plug-in connector

#### Assignment Signal M12 male / female

Pin	A-Coded 4 pos.	D-Coded 4-pos.
1	BN	YE
2	WH	WH
3	BU	OG
4	BK	BU
	A-Coded 5 pos.	B-Coded 5 pos.
1	BN	BN
2	WH	WH
3	BU	BU
4	BK	BK
5	GY	GY

A-Coded 8 pos.	
1	WH
2	BN
3	GN
4	YE
5	GY
6	PK
7	BU
8	RD

A-Coded 5-pos. CANopen®	
1	Shield (Drain)
2	RD (V+)
3	BK (V-)
4	WH (CAN_H)
5	BU (CAN_L)

A-Coded 5-pos. DeviceNet	
1	Shield (Drain)
2	RD (V+)
3	BK (V-)
4	WH (CAN_H)
5	BU (CAN_L)

A-Coded 8-pos. Ethernet	
1	WHBU (D3-)
2	WHBN (D4+)
3	BN (D4-)
4	OG (D1-)
5	WHGN (D2+)
6	WHOG (D1+)
7	BU (D3+)
8	GN (D2-)

A-Coded 8-pos. Varan	
1	X
2	OG (TD-)
3	WHOG (TD+)
4	X
5	WHGN (RD+)
6	BU
7	BN
8	GN (RD-)

A-Coded 4-pos. AS-Interface	
1	BU (AS-i+)
2	WH
3	BN (AS-i-)
4	BK

A-Coded 4-pos. CC-Link	
1	Shield (Drain)
2	WH (DB)
3	YE (DG)
4	BU (DA)

A-Coded 4-pos. Fieldbus	
1	BU (DATA-)
2	OG (DATA+)
3	Shield (Drain)
4	X

B-Coded 5-pos. PROFIBUS	
1	X
2	GN (A cable)
3	X
4	RD (B cable)
5	Filler litz wire

B-Coded 5-pos. INTERBUS	
1	YE (DO)
2	GN (DO)
3	GY (DI)
4	PK (DI)
5	BN (COM)
X	WH (NC)

D-Coded 4-pos. PROFINET	
1	YE (TD+)
2	WH (RD+)
3	OG (TD-)
4	BU (RD-)

D-Coded 4-pos. Ethernet	
1	WHOG (TD+)
2	WHGN (RD+)
3	OG (TD-)
4	GN (RD-)

## M12 Connector System: A-coded field attachable cable connectors

Male



EMI/RFI shielded cable connector with crimp contacts				
Number of contacts	Gender	Cable diameter	Conductor cross section	Part number
3	Male	4 - 8 mm	AWG 24-20	M12SC24P3AC
4	Male	4 - 8 mm	AWG 24-20	M12SC24P4AC
5	Male	4 - 8 mm	AWG 24-20	M12SC24P5AC
8	Male	4 - 8 mm	AWG 24-22	M12SC24P8AC
0 (3 - 5 contacts housing)	Male	4 - 8 mm	n.a.	M12SP05AC
0 (8 contacts housing)	Male	4 - 8 mm	n.a.	M12SP08AC
M12 turned crimp contacts				
Housing	Gender	Contact diameter	Conductor cross section	Part number
3 - 5 contacts	Male	1.0 mm	AWG 24-20	M12MC24
8 contacts	Male	0.8 mm	AWG 24-22	M12MC248
Conductor cross section				
AWG #	Area mm <sup>2</sup>			
AWG 24-20	0,21 - 0,52 mm <sup>2</sup>			
AWG 24-22	0,21 - 0,33 mm <sup>2</sup>			

## M12 Connector System: A-coded field attachable cable connectors

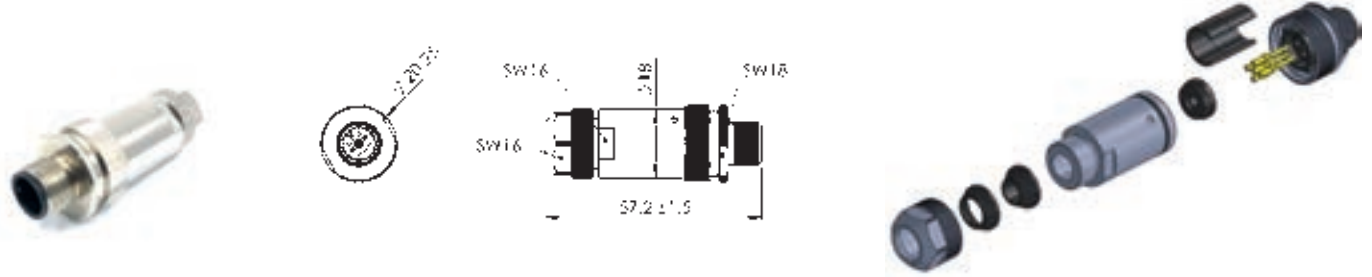
### Female



EMI/RFI shielded cable connector with crimp contacts				
Number of contacts	Gender	Cable diameter	Conductor cross section	Part number
3	Female	4 - 8 mm	AWG 24-20	M12SC24S3AC
4	Female	4 - 8 mm	AWG 24-20	M12SC24S4AC
5	Female	4 - 8 mm	AWG 24-20	M12SC24S5AC
8	Female	4 - 8 mm	AWG 24-22	M12SC24S8AC
0 (3 - 5 contacts housing)	Female	4 - 8 mm	n.a.	M12SS05AC
0 (8 contacts housing)	Female	4 - 8 mm	n.a.	M12SS08AC
M12 turned crimp contacts				
Housing	Gender	Contact diameter	Conductor cross section	Part number
3 - 5 contacts	Female	1.0 mm	AWG 24-20	M12FC24
8 contacts	Female	0.8 mm	AWG 24-22	M12FC248
Conductor cross section				
AWG #	Area mm <sup>2</sup>			
AWG 24-20	0,21 - 0,52 mm <sup>2</sup>			
AWG 24-22	0,21 - 0,33 mm <sup>2</sup>			

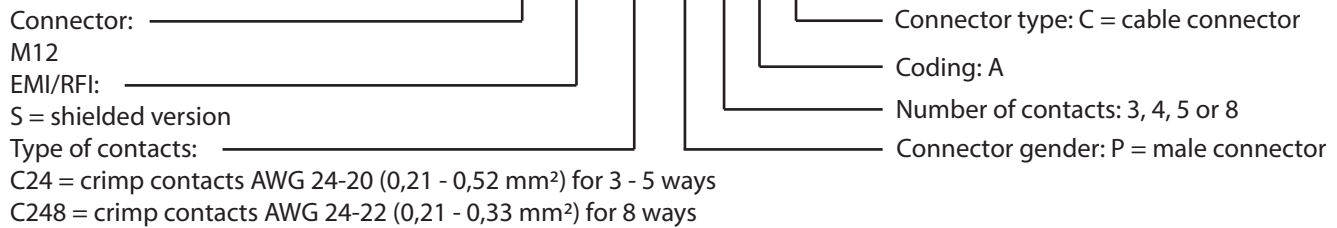
# M12 Connectors A-Coded M12SCC Series

Shielded field attachable male cable connector with crimp contacts



## PART NUMBERING SYSTEM

M12 S C24 P 4 A C



## TECHNICAL SPECIFICATIONS

### General values

Connector design	Male cable connector
Locking system	M12 x 1
Termination	Crimp
Wire gauge	0,21 - 0,52 mm <sup>2</sup> (3 - 5 ways) 0,21 - 0,33 mm <sup>2</sup> (8 ways)
Cable outlet	4 - 8 mm
Temp. range	-25°C to 85°C IEC 60664-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm

### Electrical values

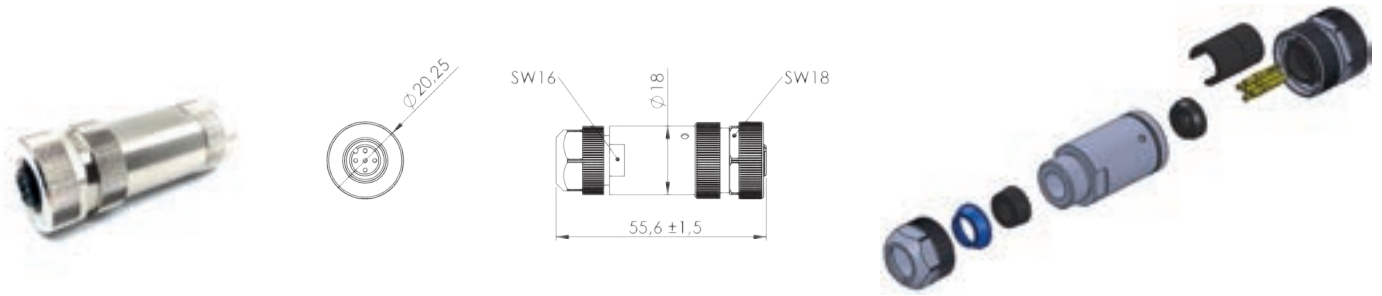
Rated voltage	250 V (3 - 4 contacts)
IEC 61076-2-101	60 V (5 contacts) 30 V (8 contacts)
Rated current	4 A (3 - 5 contacts)
IEC 61076-2-101	2 A (8 contacts)
Volume resistance	≤ 8mΩ
Mating cycles	> 100 IEC 60512-9A
Pollution degree	3 IEC 60664-1

### Material

Material of contact	CuZn, Brass alloy
Contact plating	Au over Ni
Contact body material	PA, Polyamide
Housing material	CuZn, Brass alloy
Plating housing	Ni-plated, Ni over Cu
Cable seale	TPE
O-ring	FKM

# M12 Connectors A-Coded M12SCC Series

Shielded field attachable female cable connector with crimp contacts



## PART NUMBERING SYSTEM

M12 S C24 S 5 A C

Connector: \_\_\_\_\_  
M12  
EMI/RFI: \_\_\_\_\_  
S = shielded version  
Type of contacts: \_\_\_\_\_  
C24 = crimp contacts AWG 24-20 (0,21 - 0,52 mm<sup>2</sup>) for 3 - 5 ways  
C248 = crimp contacts AWG 24-22 (0,21 - 0,33 mm<sup>2</sup>) for 8 ways

Connector type: C = cable connector  
Coding: A  
Number of contacts: 3, 4, 5 or 8  
Connector gender: S = female connector

## TECHNICAL SPECIFICATIONS

### General values

Connector design	Female cable connector
Locking system	M12 x 1
Termination	Crimp
Wire gauge	0,21 - 0,52 mm <sup>2</sup> (3 - 5 ways) 0,21 - 0,33 mm <sup>2</sup> (8 ways)
Cable outlet	4 - 8 mm
Temp. range	-25°C to 85°C IEC 60664-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm

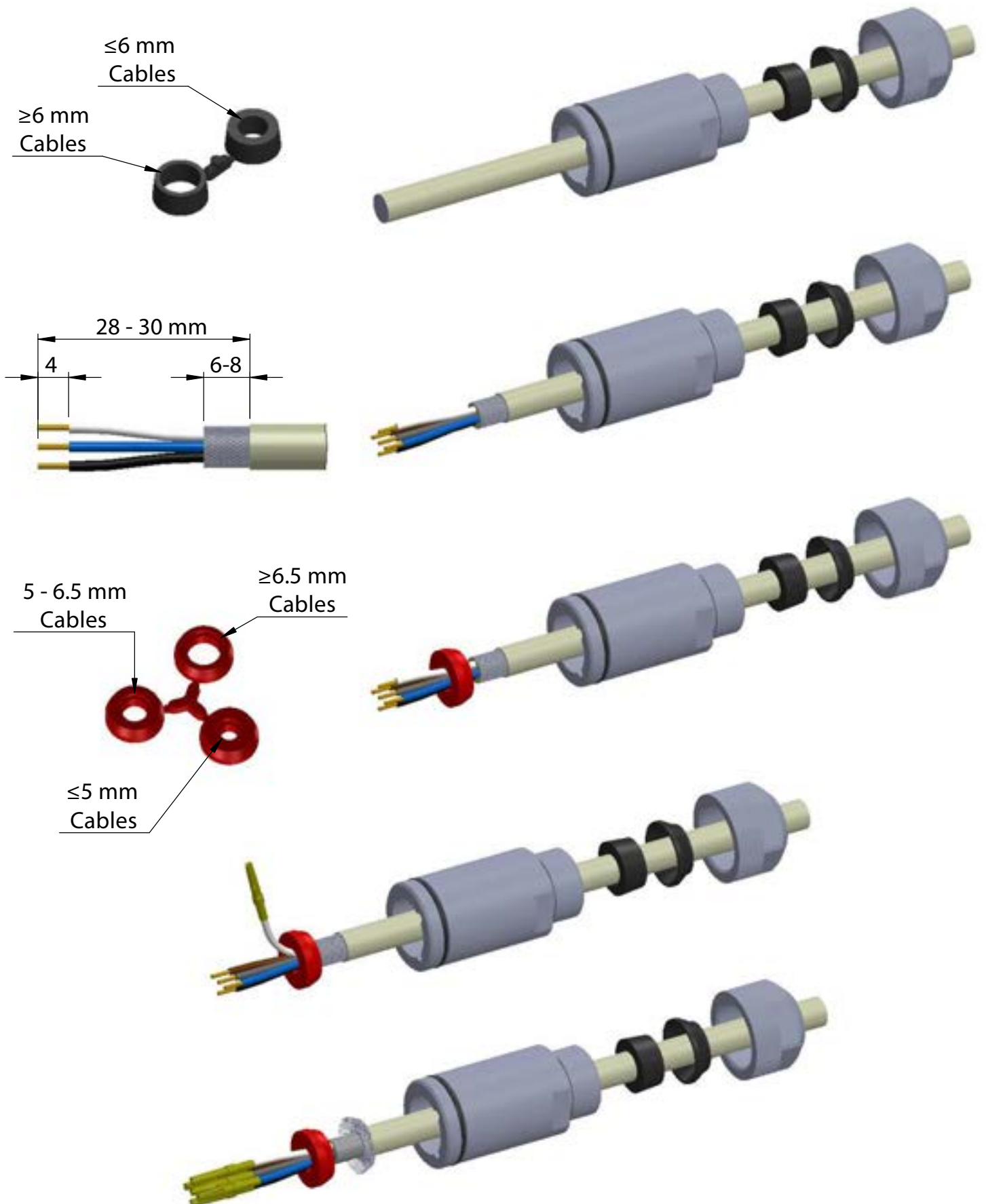
### Electrical values

Rated voltage	250 V (3 - 4 contacts)
IEC 61076-2-101	60 V (5 contacts) 30 V (8 contacts)
Rated current	4 A (3 - 5 contacts)
IEC 61076-2-101	2 A (8 contacts)
Volume resistance	≤ 8mΩ
Mating cycles	> 100 IEC 60512-9A
Pollution degree	3 IEC 60664-1

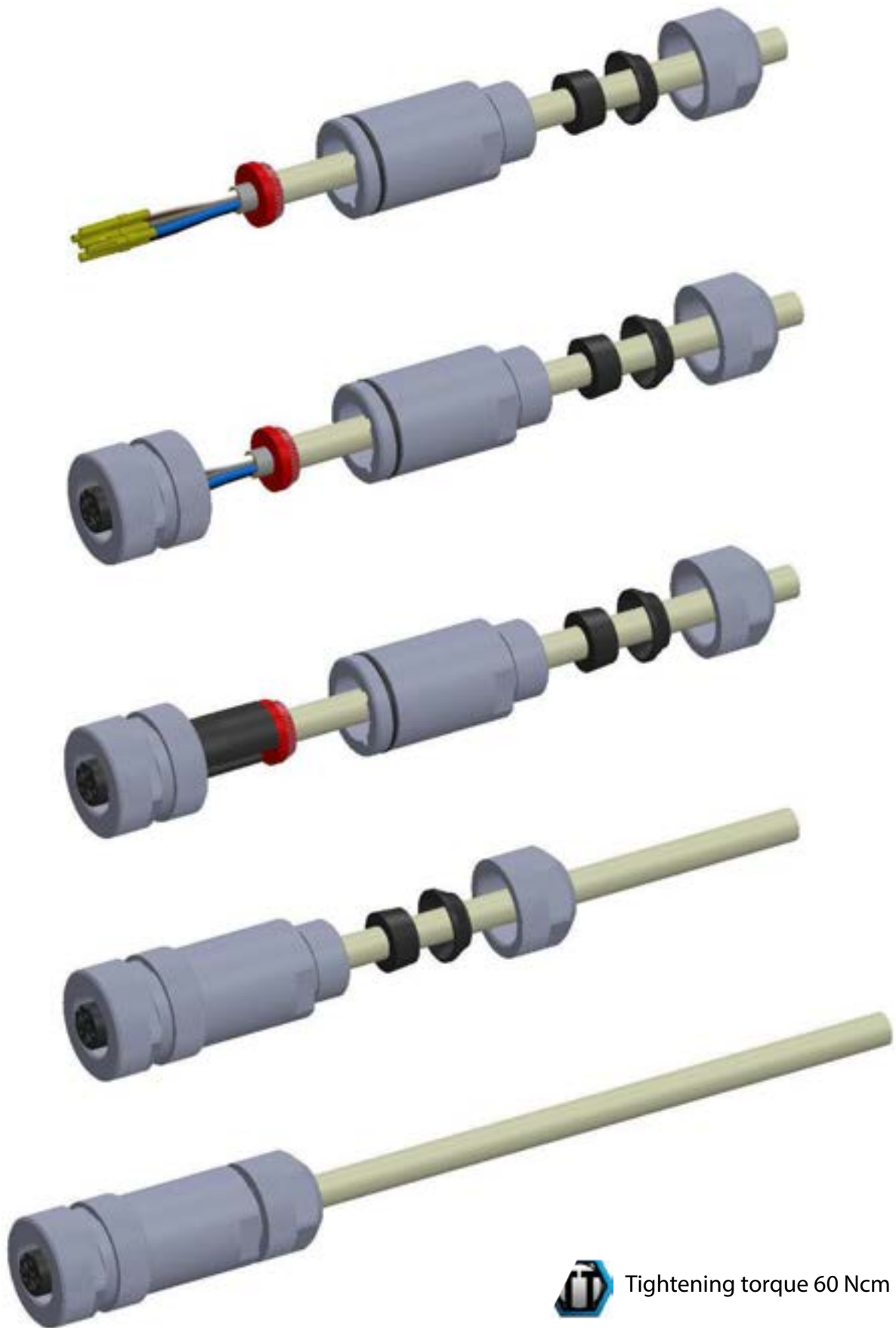
### Material

Material of contact	CuZn, Brass alloy
Contact plating	Au over Ni
Contact body material	PA, Polyamide
Housing material	CuZn, Brass alloy
Plating housing	Ni-plated, Ni over Cu
Cable seale	TPE
O-ring	FKM

# Assembly instruction M12SCC Series



# Assembly instruction M12SCC Series



Tightening torque 60 Ncm

## M12 Connector System: A-coded panel connectors

Male



### Rear panel mounting connector with crimp contacts

Number of contacts	Gender	Panel thickness	Conductor cross section	Part number
3	Male	< 4 mm	AWG 24-20	M12SC24P3ARP
4	Male	< 4 mm	AWG 24-20	M12SC24P4ARP
5	Male	< 4 mm	AWG 24-20	M12SC24P5ARP
8	Male	< 4 mm	AWG 24-22	M12SC24P8ARP
0 (3 - 5 way housing)	Male	< 4 mm	n.a.	M12SCP05RP
0 (8 way housing)	Male	< 4 mm	n.a.	M12SCP08RP

### Front panel mounting connector with crimp contacts

Number of contacts	Gender	Panel thickness	Conductor cross section	Part number
3	Male	< 4 mm	AWG 24-20	M12SC24P3AFP
4	Male	< 4 mm	AWG 24-20	M12SC24P4AFP
5	Male	< 4 mm	AWG 24-20	M12SC24P5AFP
8	Male	< 4 mm	AWG 24-22	M12SC24P8AFP
0 (3 - 5 way housing)	Male	< 4 mm	n.a.	M12SCP05FP
0 (8 way housing)	Male	< 4 mm	n.a.	M12SCP08FP

### M12 turned crimp contacts

Housing	Gender	Contact diameter	Conductor cross section	Part number
3 - 5 way	Male	1.0 mm	AWG 24-20	M12MC24
8 way	Male	0.8 mm	AWG 24-22	M12MC248

### Conductor cross section

AWG #	Area mm <sup>2</sup>
AWG 24-20	0,21 - 0,52 mm <sup>2</sup>
AWG 24-22	0,21 - 0,33 mm <sup>2</sup>

## M12 Connector System: A-coded panel connectors

### Female



Rear panel mounting connector with crimp contacts				
Number of contacts	Gender	Panel thickness	Conductor cross section	Part number
3	Female	< 4 mm	AWG 24-20	M12SC24S3ARP
4	Female	< 4 mm	AWG 24-20	M12SC24S4ARP
5	Female	< 4 mm	AWG 24-20	M12SC24S5ARP
8	Female	< 4 mm	AWG 24-22	M12SC24S8ARP
0 (3 - 5 way housing)	Female	< 4 mm	n.a.	M12SCS05RP
0 (8 way housing)	Female	< 4 mm	n.a.	M12SCS08RP



Front panel mounting connector with crimp contacts				
Number of contacts	Gender	Panel thickness	Conductor cross section	Part number
3	Female	< 4 mm	AWG 24-20	M12SC24S3AFP
4	Female	< 4 mm	AWG 24-20	M12SC24S4AFP
5	Female	< 4 mm	AWG 24-20	M12SC24S5AFP
8	Female	< 4 mm	AWG 24-22	M12SC24S8AFP
0 (3 - 5 way housing)	Female	< 4 mm	n.a.	M12SCS05FP
0 (8 way housing)	Female	< 4 mm	n.a.	M12SCS08FP

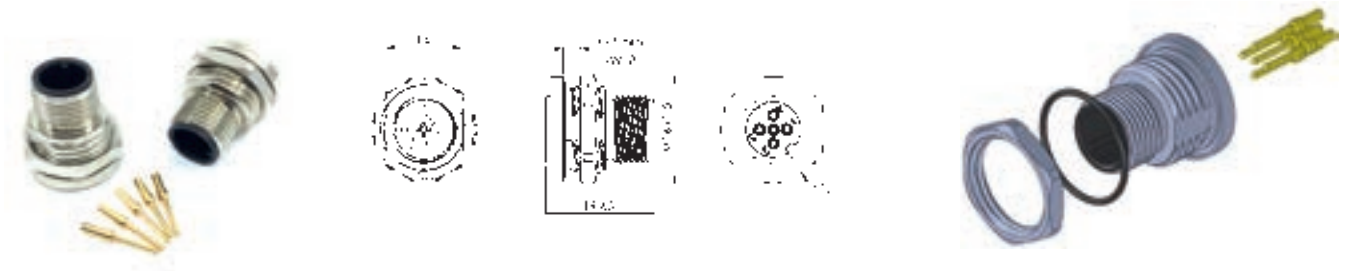


M12 turned crimp contacts				
Housing	Gender	Contact diameter	Conductor cross section	Part number
3 - 5 way	Female	1.0 mm	AWG 24-20	M12FC24
8 way	Female	0.8 mm	AWG 24-22	M12FC248

Conductor cross section	
AWG #	Area mm <sup>2</sup>
AWG 24-20	0,21 - 0,52 mm <sup>2</sup>
AWG 24-22	0,21 - 0,33 mm <sup>2</sup>

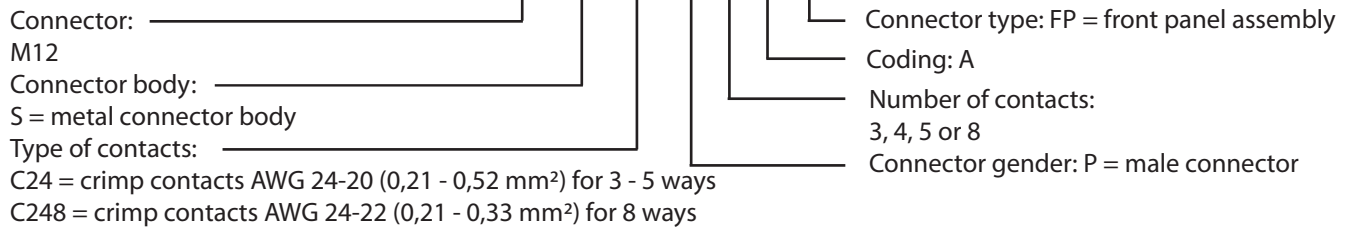
# M12 Connectors A-Coded M12CFP Series

Male panel connector front assembly with crimp contacts



## PART NUMBERING SYSTEM

M12 S C24 P 4 A FP



## TECHNICAL SPECIFICATIONS

### General values

Connector design	Male panel connector
Locking system	M12 x 1
Termination	Crimp
Wire gauge	0,21 - 0,52 mm <sup>2</sup> (3 - 5 ways) 0,21 - 0,33 mm <sup>2</sup> (8 ways)
Panel thickness	≤ 4 mm
Temp. range	-25°C to 85°C IEC 60664-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm

### Electrical values

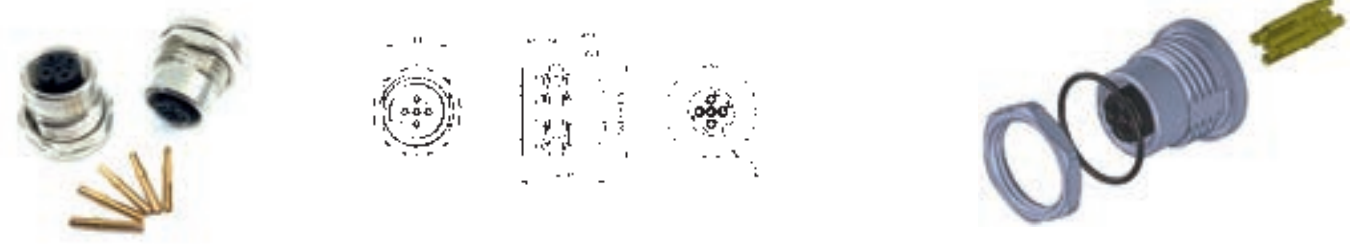
Rated voltage	250 V (3 - 4 contacts)
IEC 61076-2-101	60 V (5 contacts) 30 V (8 contacts)
Rated current	4 A (3 - 5 contacts)
IEC 61076-2-101	2 A (8 contacts)
Volume resistance	≤ 8mΩ
Mating cycles	> 100 IEC 60512-9A
Pollution degree	3 IEC 60664-1

### Material

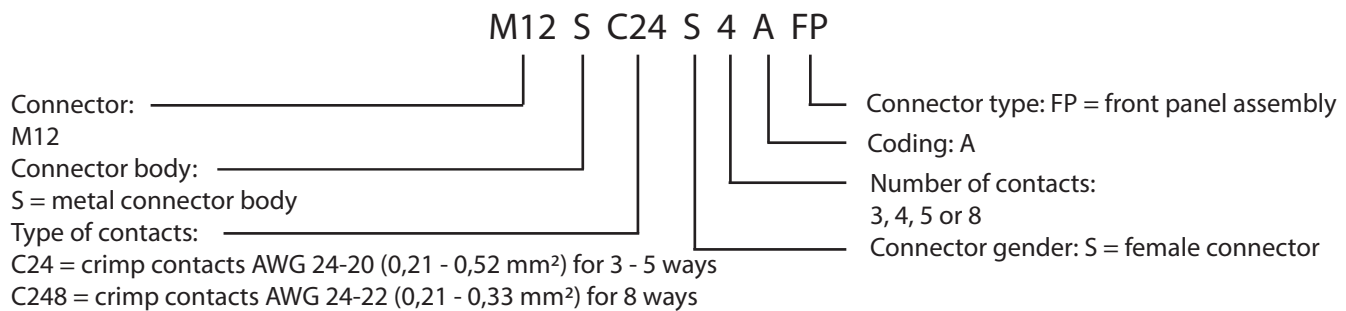
Material of contact	CuZn, Brass alloy
Contact plating	Au-plated, Au over Ni
Contact body material	PA, Polyamide
Housing material	CuZn, Brass alloy
Plating housing	Ni-plated, Ni over Cu
O-ring	FKM

# M12 Connectors A-Coded M12CFP Series

Female panel connector front assembly with crimp contacts



## PART NUMBERING SYSTEM



## TECHNICAL SPECIFICATIONS

### General values

Connector design	Female panel connector
Locking system	M12 x 1
Termination	Crimp
Wire gauge	0,21 - 0,52 mm <sup>2</sup> (3 - 5 ways) 0,21 - 0,33 mm <sup>2</sup> (8 ways)
Panel thickness	≤ 4 mm
Temp. range	-25°C to 85°C IEC 60664-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm

### Electrical values

Rated voltage	250 V (3 - 4 contacts)
IEC 61076-2-101	60 V (5 contacts) 30 V (8 contacts)
Rated current	4 A (3 - 5 contacts)
IEC 61076-2-101	2 A (8 contacts)
Volume resistance	≤ 8mΩ
Mating cycles	> 100 IEC 60512-9A
Pollution degree	3 IEC 60664-1

### Material

Material of contact	CuZn, Brass alloy
Contact plating	Au-plated, Au over Ni
Contact body material	PA, Polyamide
Housing material	CuZn, Brass alloy
Plating housing	Ni-plated, Ni over Cu
O-ring	FKM

# Assembly instruction M12 CFP Series



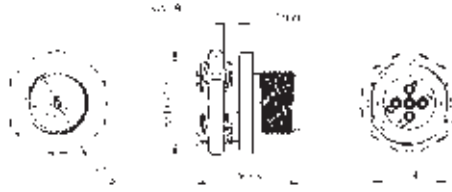
Stripping Length:  
X = 4 mm (machined contacts)  
X = 3 mm (stamped contacts)



Tightening torque 60 Ncm

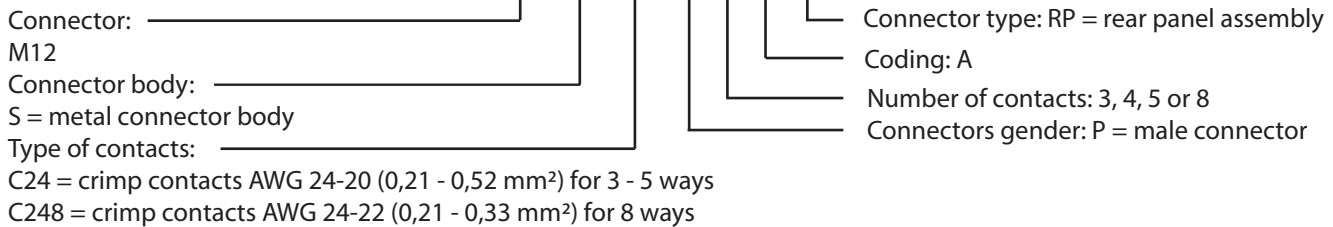
# M12 Connectors A-Coded M12CRP Series

Male panel connector rear assembly with crimp contacts



## PART NUMBERING SYSTEM

M12 S C24 P 4 A RP



## TECHNICAL SPECIFICATIONS

### General values

Connector design	Male panel connector
Locking system	M12 x 1
Termination	Crimp
Wire gauge	0,21 - 0,52 mm <sup>2</sup> (3 - 5 ways) 0,21 - 0,33 mm <sup>2</sup> (8 ways)
Panel thickness	≤ 4 mm
Temp. range	-25°C to 85°C IEC 60664-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm

### Electrical values

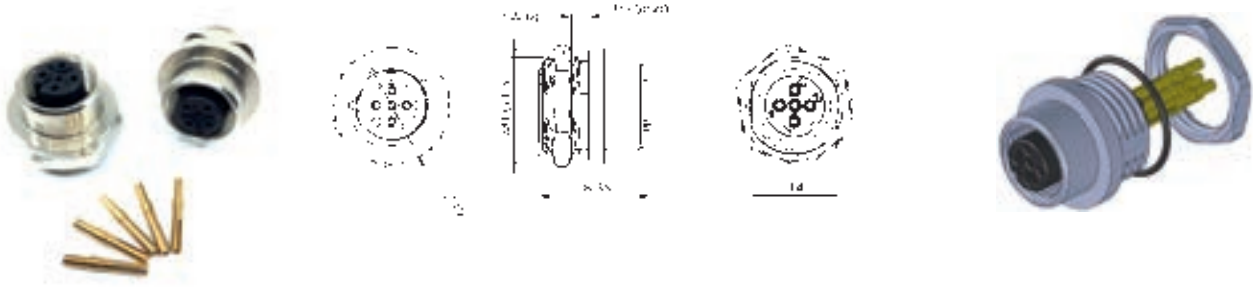
Rated voltage	250 V (3 - 4 contacts)
IEC 61076-2-101	60 V (5 contacts) 30 V (8 contacts)
Rated current	4 A (3 - 5 contacts) 2 A (8 contacts)
IEC 61076-2-101	
Volume resistance	≤ 8mΩ
Mating cycles	> 100 IEC 60512-9A
Pollution degree	3 IEC 60664-1

### Material

Material of contact	CuZn, Brass alloy
Contact plating	Au-plated, Au over Ni
Contact body material	PA, Polyamide
Housing material	CuZn, Brass alloy
Plating housing	Ni-plated, Ni over Cu
O-ring	FKM

# M12 Connectors A-Coded M12CRP Series

Female panel connector rear assembly with crimp contacts



## PART NUMBERING SYSTEM

M12 S C24 S 4 A RP

Connector: M12  
 Connector body: S = metal connector body  
 Type of contacts: C24 = crimp contacts AWG 24-20 (0,21 - 0,52 mm<sup>2</sup>) for 3 - 5 ways  
 C248 = crimp contacts AWG 24-22 (0,21 - 0,33 mm<sup>2</sup>) for 8 ways

Connector type: RP = rear panel assembly  
 Coding: A  
 Number of contacts: 3, 4, 5 or 8  
 Connectors gender: S = female connector

## TECHNICAL SPECIFICATIONS

### General values

Connector design	Female panel connector
Locking system	M12 x 1
Termination	Crimp
Wire gauge	0,21 - 0,52 mm <sup>2</sup> (3 - 5 ways) 0,21 - 0,33 mm <sup>2</sup> (8 ways)
Panel thickness	≤ 4 mm
Temp. range	-25°C to 85°C IEC 60664-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm

### Electrical values

Rated voltage	250 V (3 - 4 contacts)
IEC 61076-2-101	60 V (5 contacts) 30 V (8 contacts)
Rated current	4 A (3 - 5 contacts) 2 A (8 contacts)
IEC 61076-2-101	
Volume resistance	≤ 8mΩ
Mating cycles	> 100 IEC 60512-9A
Pollution degree	3 IEC 60664-1

### Material

Material of contact	CuZn, Brass alloy
Contact plating	Au-plated, Au over Ni
Contact body material	PA, Polyamide
Housing material	CuZn, Brass alloy
Plating housing	Ni-plated, Ni over Cu
O-ring	FKM

# Assembly instruction M12 CRP Series



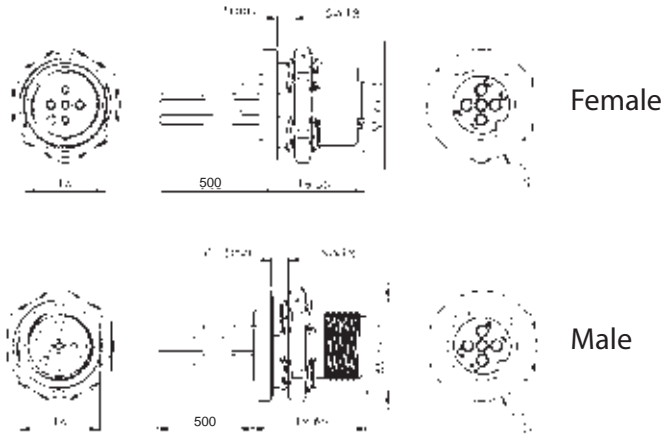
Stripping Length:  
X = 4 mm (machined contacts)  
X = 3 mm (stamped contacts)



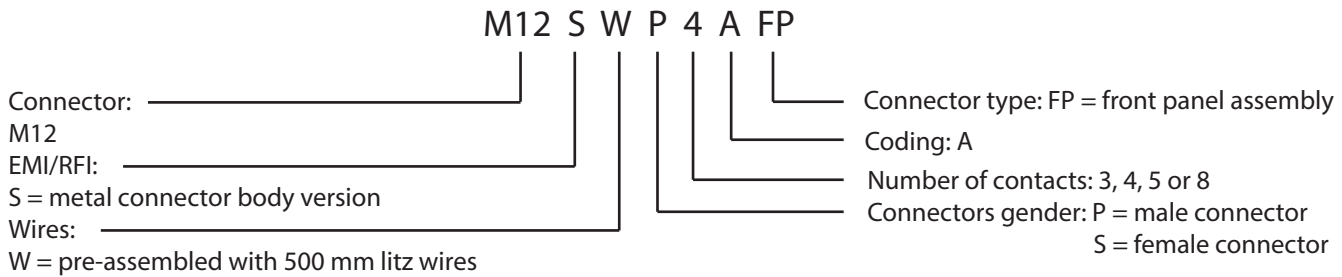
Tightening torque 60 Ncm

# Circular M12 Connectors M12SWFP Series

M12 panel connectors front panel assembly with litz wires



## PART NUMBERING SYSTEM



## TECHNICAL SPECIFICATIONS

### General values

Connector design	Panel connector
Locking system	M12 x 1
Wires	500 mm length
Conductor cross section	0,34 mm <sup>2</sup> (3 - 5 contacts) 0,25 mm <sup>2</sup> (8 contacts)
Panel thickness	≤ 4 mm
Temp. range	-25°C to 85°C IEC 60664-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm

### Electrical values

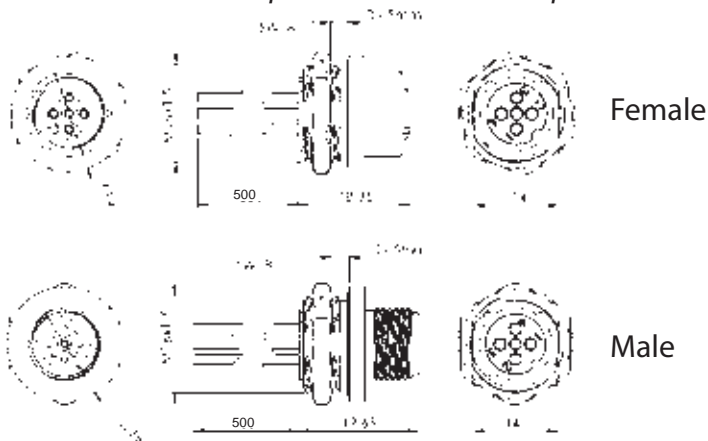
Rated voltage	50 V	(3 - 4 contacts)
IEC 61076-2-101	50 V	(5 contacts)
	30 V	(8 contacts)
Rated current	4 A	(3 - 4 contacts)
IEC 61076-2-101	4 A	(5 contacts)
	2 A	(8 contacts)
Volume resistance	≤ 8mΩ	
Mating cycles	> 100	IEC 60512-9A
Pollution degree	3	IEC 60664-1

### Material

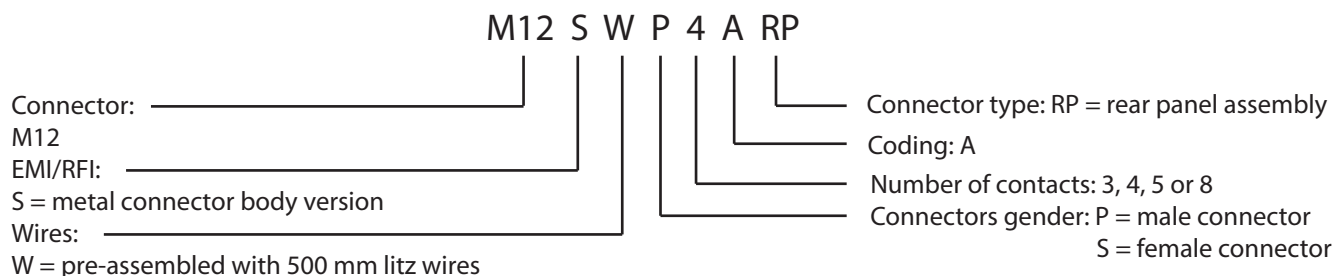
Material of contact	CuZn, Brass alloy
Contact plating	Au-plated, Au over Ni
Contact body material	PA, Polyamide
Housing material	CuZn, Brass alloy
Plating housing	Ni-plated, Ni over Cu
O-ring	FKM

# Circular M12 Connectors M12SWRP Series

M12 panel connectors rear panel assembly with litz wires



## PART NUMBERING SYSTEM



## TECHNICAL SPECIFICATIONS

### General values

Connector design	Panel connector
Locking system	M12 x 1
Wires	500 mm length
Conductor cross section	0,34 mm <sup>2</sup> (3 - 5 contacts) 0,25 mm <sup>2</sup> (8 contacts)
Panel thickness	≤ 4 mm
Temp. range	-25°C to 85°C IEC 60664-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm

### Electrical values





Rated voltage	50 V	(3 - 4 contacts)
IEC 61076-2-101	50 V	(5 contacts)
	30 V	(8 contacts)
Rated current	4 A	(3 - 4 contacts)
IEC 61076-2-101	4 A	(5 contacts)
	2 A	(8 contacts)
Volume resistance	≤ 8mΩ	
Mating cycles	> 100	IEC 60512-9A
Pollution degree	3	IEC 60664-1

### Material

Material of contact	CuZn, Brass alloy
Contact plating	Au-plated, Au over Ni
Contact body material	PA, Polyamide
Housing material	CuZn, Brass alloy
Plating housing	Ni-plated, Ni over Cu
O-ring	FKM

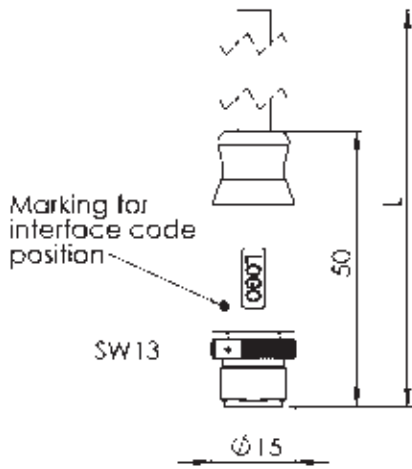
M12 Connector System:  
A-coded moulded cable open end, axial  
Male



Moulded cable open end									
Interface	Number of contacts	Rated Current	Rated Voltage	IP rating	Cable length	Custom length	Cable outer jacket	Standard	
	3	4A	250V	IP67	1 / 2 / 3 / 5 / 10	Yes	PUR or PVC	IEC 61076-2-101	
	4	4A	250V	IP67	1 / 2 / 3 / 5 / 10	Yes	PUR or PVC	IEC 61076-2-101	
	5	4A	60V	IP67	1 / 2 / 3 / 5 / 10	Yes	PUR or PVC	IEC 61076-2-101	
	8	2A	30V	IP67	1 / 2 / 3 / 5 / 10	Yes	PUR or PVC	IEC 61076-2-101	

# M12 open-end cordset M12UMA Series

Unshielded open-end cordset, M12x1 male 3-way with PUR or PVC cable



3 contacts



4 contacts



5 contacts



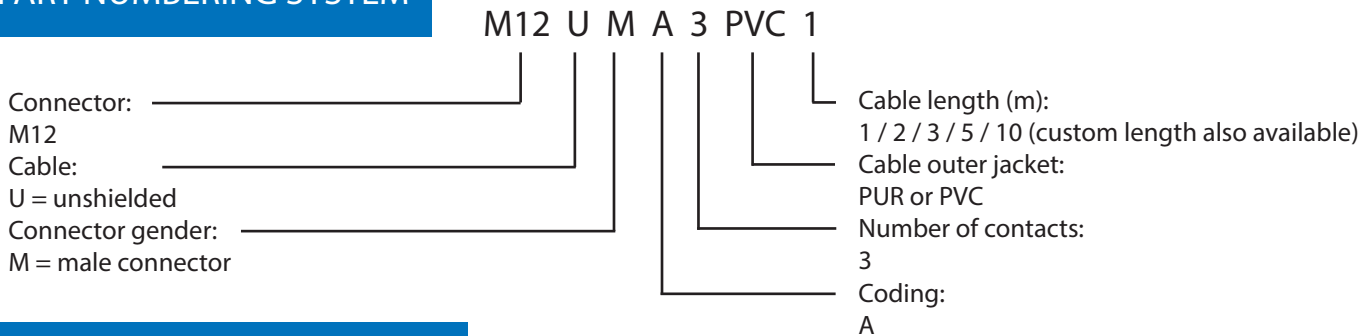
8 contacts



Contact assignment 3-way:

1 Brown BN  
2 Blue BU  
3 Black BK

## PART NUMBERING SYSTEM



## TECHNICAL SPECIFICATIONS

### General values

Connector	Male M12x1, axial
Number of contacts	3
Coding	A
Temp. range	-30°C to +90°C IEC 60664-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm
Wire cross section	0.34 mm <sup>2</sup> / 0.34 mm <sup>2</sup>
Bending radius	5 x Ø fixed, 10 x Ø repeated

### Electrical values

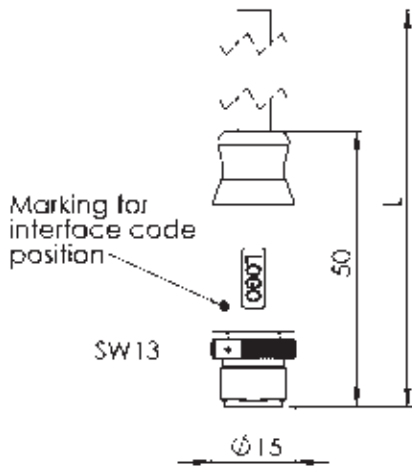
Rated voltage	250 V	(3 - 4 contacts)
IEC 61076-2-101	60 V	(5 contacts)
	30 V	(8 contacts)
Rated current	4 A	(3 - 5 contacts)
IEC 61076-2-101	2 A	(8 contacts)
Volume resistance	≤ 8mΩ	
Mating cycles	> 100	IEC 60512-9A
Pollution degree	3	IEC 60664-1

### Material

Contact material	CuZn, Brass alloy, Au-plated
Contact body material	PA
Coupling nut material	CuZn, Brass alloy, Ni-plated
Grip body material	TPU
Cable jacket material	PUR or PVC
Wire insulation material	PP

# M12 open-end cordset M12UMA Series

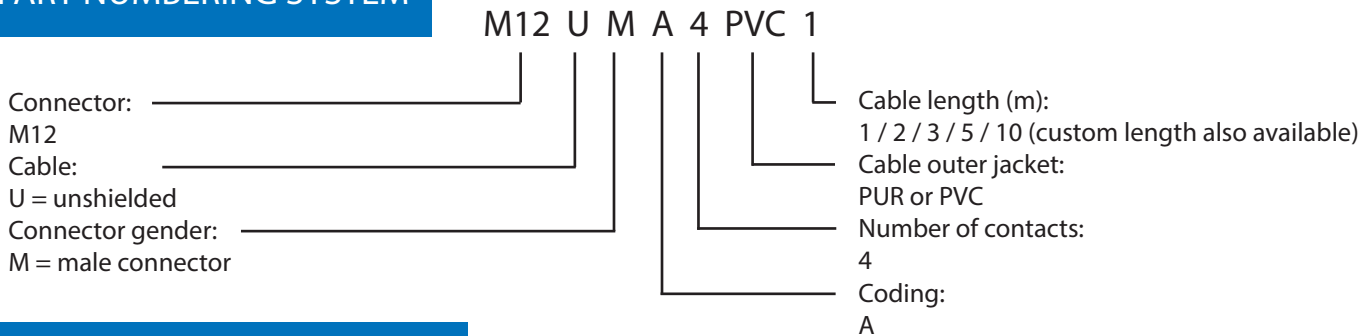
Unshielded open-end cordset, M12x1 male 4-way with PUR or PVC cable



Contact assignment 4-way:

1 Brown	BN
2 White	WH
3 Blue	BU
4 Black	BK

## PART NUMBERING SYSTEM



## TECHNICAL SPECIFICATIONS

### General values

Connector	Male M12x1, axial
Number of contacts	4
Coding	A
Temp. range	-30°C to +90°C IEC 60664-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm
Wire cross section	0.34 mm <sup>2</sup> / 0.34 mm <sup>2</sup>
Bending radius	5 x Ø fixed, 10 x Ø repeated

### Electrical values

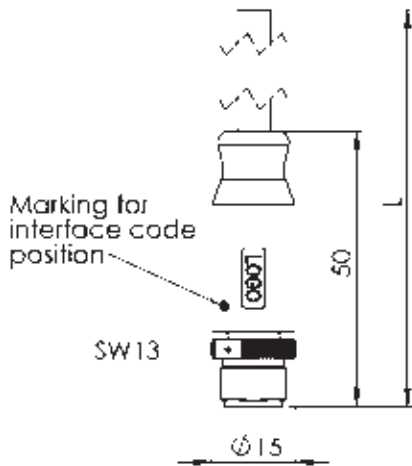
Rated voltage	250 V	(3 - 4 contacts)
IEC 61076-2-101	60 V	(5 contacts)
	30 V	(8 contacts)
Rated current	4 A	(3 - 5 contacts)
IEC 61076-2-101	2 A	(8 contacts)
Volume resistance	≤ 8mΩ	
Mating cycles	> 100	IEC 60512-9A
Pollution degree	3	IEC 60664-1

### Material

Contact material	CuZn, Brass alloy, Au-plated
Contact body material	PA
Coupling nut material	CuZn, Brass alloy, Ni-plated
Grip body material	TPU
Cable jacket material	PUR or PVC
Wire insulation material	PP

# M12 open-end cordset M12UMA Series

Unshielded open-end cordset, M12x1 male 5-way with PUR or PVC cable



3 contacts



4 contacts



5 contacts



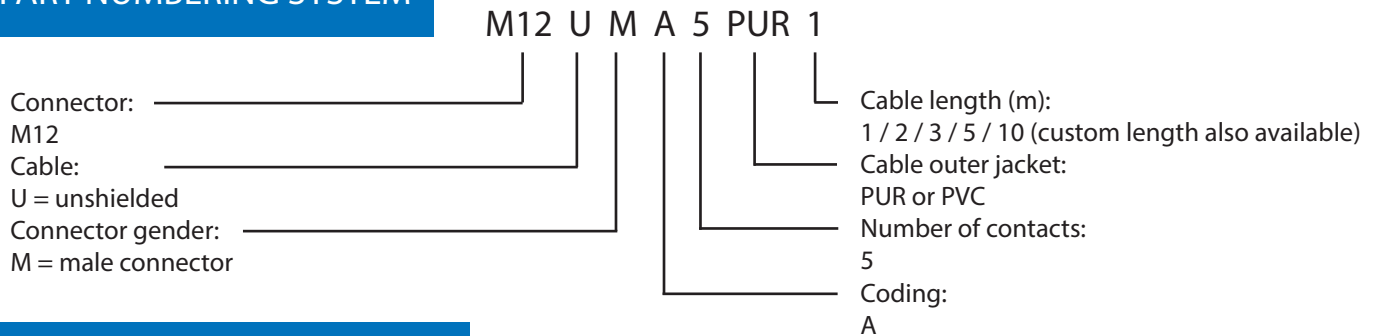
8 contacts



Contact assignment 5-way:

1 Brown	BN
2 White	WH
3 Blue	BU
4 Black	BK
5 Grey	GY

## PART NUMBERING SYSTEM



## TECHNICAL SPECIFICATIONS

### General values

Connector	Male M12x1, axial
Number of contacts	5
Coding	A
Temp. range	-30°C to +90°C IEC 60664-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm
Wire cross section	0.34 mm <sup>2</sup> / 0.34 mm <sup>2</sup>
Bending radius	5 x Ø fixed, 10 x Ø repeated

### Electrical values

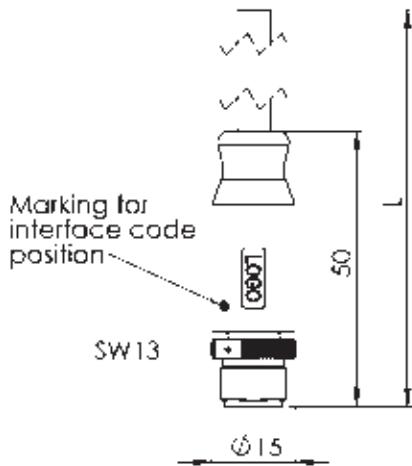
Rated voltage	250 V	(3 - 4 contacts)
IEC 61076-2-101	60 V	(5 contacts)
	30 V	(8 contacts)
Rated current	4 A	(3 - 5 contacts)
IEC 61076-2-101	2 A	(8 contacts)
Volume resistance	≤ 8mΩ	
Mating cycles	> 100	IEC 60512-9A
Pollution degree	3	IEC 60664-1

### Material

Contact material	CuZn, Brass alloy, Au-plated
Contact body material	PA
Coupling nut material	CuZn, Brass alloy, Ni-plated
Grip body material	TPU
Cable jacket material	PUR or PVC
Wire insulation material	PP

# M12 open-end cordset M12UMA Series

Unshielded open-end cordset, M12x1 male 8-way with PUR or PVC cable



3 contacts



4 contacts



5 contacts



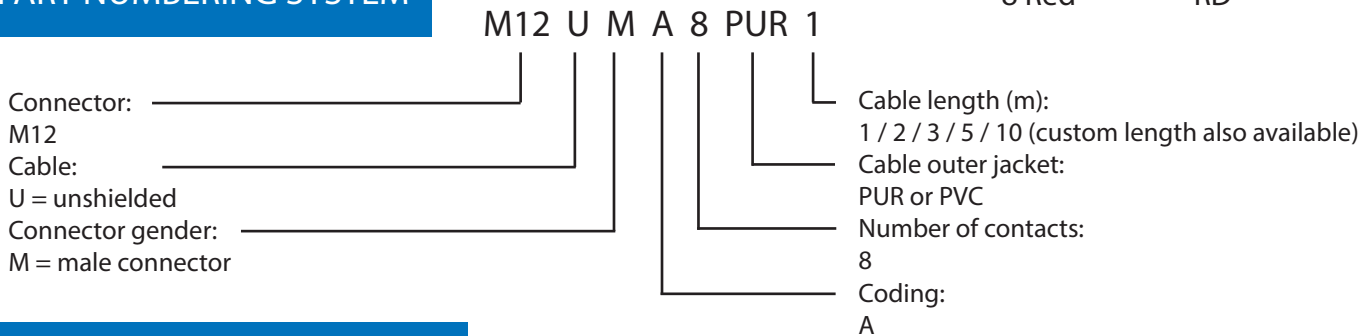
8 contacts



Contact assignment 8-way:

1 White	WH
2 Brown	BN
3 Green	GN
4 Yellow	YE
5 Grey	GY
6 Pink	PK
7 Blue	BU
8 Red	RD

## PART NUMBERING SYSTEM



## TECHNICAL SPECIFICATIONS

### General values

Connector	Male M12x1, axial
Number of contacts	8
Coding	A
Temp. range	-30°C to +90°C IEC 60664-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm
Wire cross section	0.25 mm <sup>2</sup>
Bending radius	5 x Ø fixed, 10 x Ø repeated

### Electrical values

Rated voltage	250 V	(3 - 4 contacts)
IEC 61076-2-101	60 V	(5 contacts)
	30 V	(8 contacts)
Rated current	4 A	(3 - 5 contacts)
IEC 61076-2-101	2 A	(8 contacts)
Volume resistance	≤ 8mΩ	
Mating cycles	> 100	IEC 60512-9A
Pollution degree	3	IEC 60664-1





### Material

Contact material	CuZn, Brass alloy, Au-plated
Contact body material	PA
Coupling nut material	CuZn, Brass alloy, Ni-plated
Grip body material	TPU
Cable jacket material	PUR or PVC
Wire insulation material	PP

M12 Connector System:  
A-coded moulded cable open end, axial  
Female

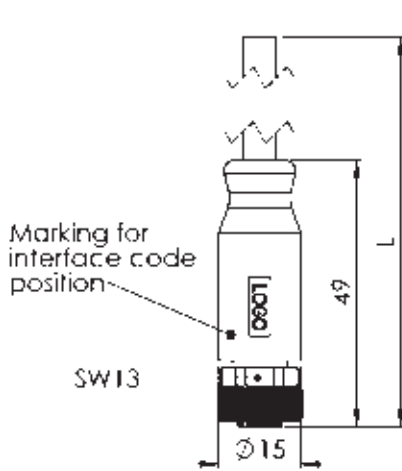


### Moulded cable open end

Interface	Number of contacts	Rated Current	Rated Voltage	IP rating	Cable length	Custom length	Cable outer jacket	Standard
	3	4A	250V	IP67	1 / 2 / 3 / 5 / 10	Yes	PUR or PVC	IEC 61076-2-101
	4	4A	250V	IP67	1 / 2 / 3 / 5 / 10	Yes	PUR or PVC	IEC 61076-2-101
	5	4A	60V	IP67	1 / 2 / 3 / 5 / 10	Yes	PUR or PVC	IEC 61076-2-101
	8	2A	30V	IP67	1 / 2 / 3 / 5 / 10	Yes	PUR or PVC	IEC 61076-2-101

# M12 open-end cordset M12UFA Series

Unshielded open-ended cordset, M12x1 female 3-way with PUR or PVC cable



3 contacts



4 contacts



5 contacts



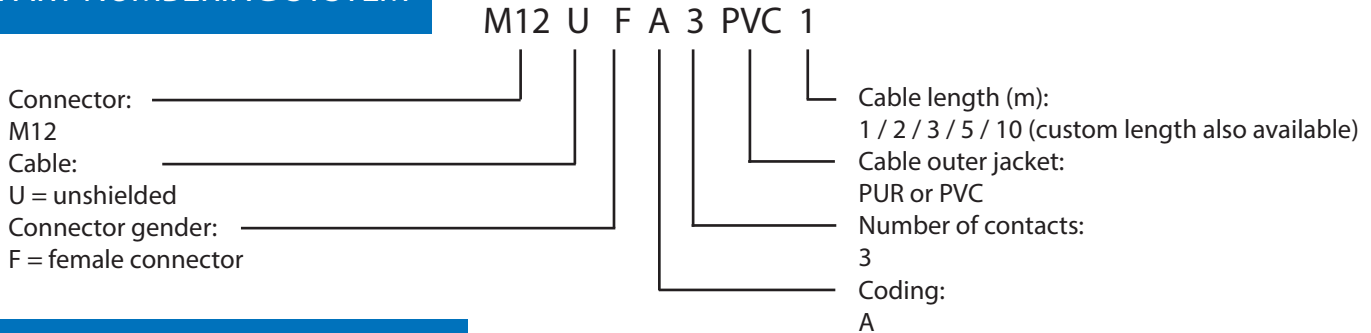
8 contacts



Contact assignment 3-way:

1 Brown BN  
2 Blue BU  
3 Black BK

## PART NUMBERING SYSTEM



## TECHNICAL SPECIFICATIONS

### General values

Connector	Female M12x1, axial
Number of contacts	3
Coding	A
Temp. range	-30°C to +90°C IEC 60664-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm
Wire cross section	0.34 mm <sup>2</sup>
Bending radius	5 x Ø fixed, 10 x Ø repeated

### Electrical values

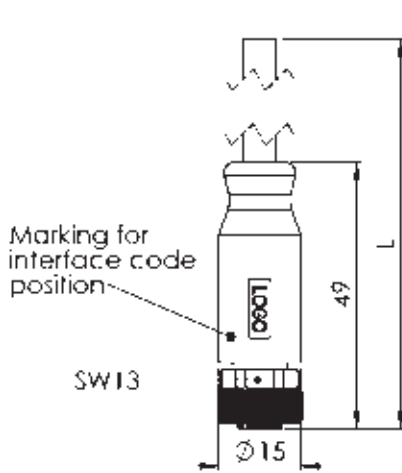
Rated voltage	250 V	(3 - 4 contacts)
IEC 61076-2-101	60 V	(5 contacts)
	30 V	(8 contacts)
Rated current	4 A	(3 - 5 contacts)
IEC 61076-2-101	2 A	(8 contacts)
Volume resistance	≤ 8mΩ	
Mating cycles	> 100	IEC 60512-9A
Pollution degree	3	IEC 60664-1

### Material

Contact material	CuZn, Brass alloy, Au-plated
Contact body material	PA
Coupling nut material	CuZn, Brass alloy, Ni-plated
Grip body material	TPU
Cable jacket material	PUR or PVC
Wire insulation material	PP

# M12 open-end cordset M12UFA Series

Unshielded open-ended cordset, M12x1 female 4-way with PUR or PVC cable



3 contacts



4 contacts



5 contacts



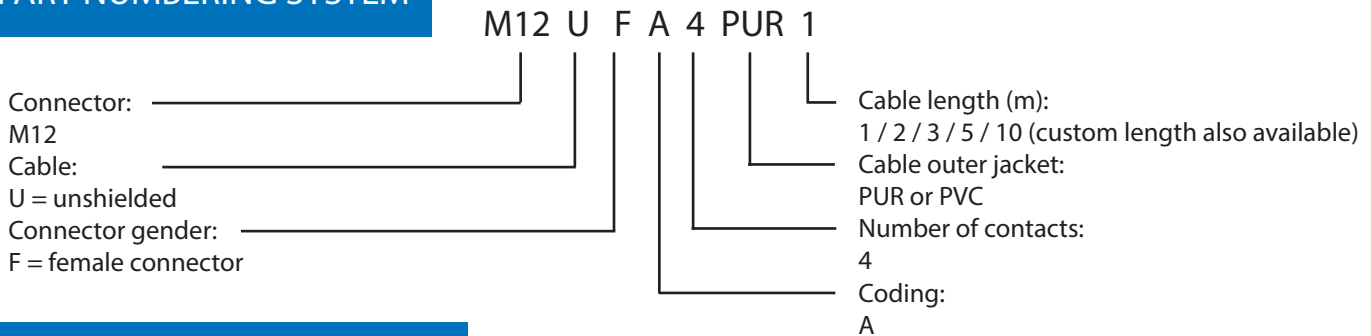
8 contacts



Contact assignment 4-way:

1 Brown	BN
2 White	WH
3 Blue	BU
4 Black	BK

## PART NUMBERING SYSTEM



## TECHNICAL SPECIFICATIONS

### General values

Connector	Female M12x1, axial
Number of contacts	4
Coding	A
Temp. range	-30°C to +90°C IEC 60664-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm
Wire cross section	0.34 mm <sup>2</sup>
Bending radius	5 x Ø fixed, 10 x Ø repeated

### Electrical values

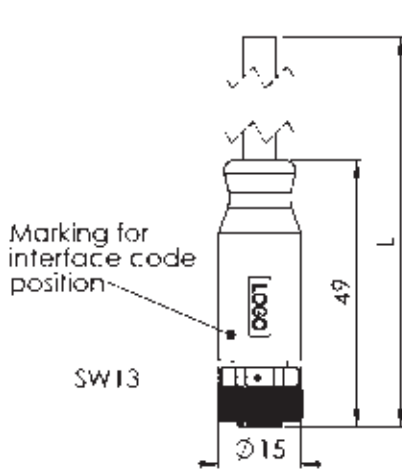
Rated voltage	250 V	(3 - 4 contacts)
IEC 61076-2-101	60 V	(5 contacts)
	30 V	(8 contacts)
Rated current	4 A	(3 - 5 contacts)
IEC 61076-2-101	2 A	(8 contacts)
Volume resistance	≤ 8mΩ	
Mating cycles	> 100	IEC 60512-9A
Pollution degree	3	IEC 60664-1

### Material

Contact material	CuZn, Brass alloy, Au-plated
Contact body material	PA
Coupling nut material	CuZn, Brass alloy, Ni-plated
Grip body material	TPU
Cable jacket material	PUR or PVC
Wire insulation material	PP

# M12 open-end cordset M12UFA Series

Unshielded open-ended cordset, M12x1 female 5-way with PUR or PVC cable



3 contacts



4 contacts



5 contacts



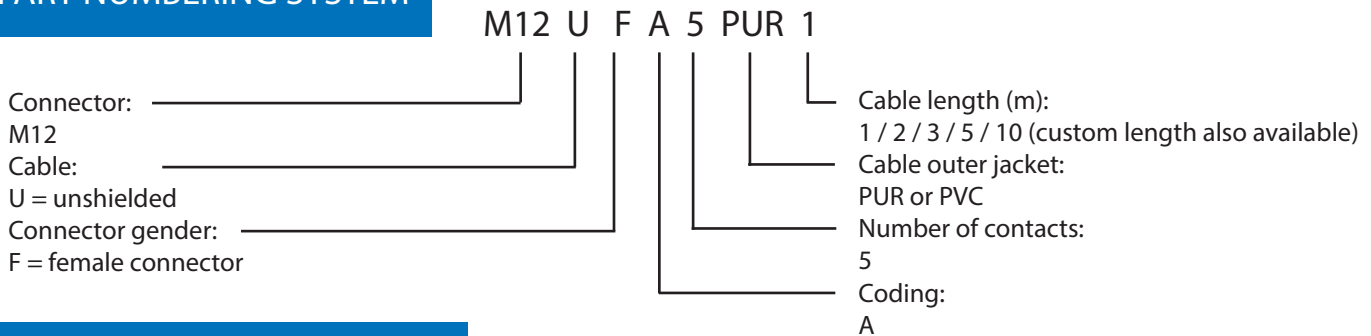
8 contacts



Contact assignment 5-way:

1 Brown	BN
2 White	WH
3 Blue	BU
4 Black	BK
5 Grey	GY

## PART NUMBERING SYSTEM



## TECHNICAL SPECIFICATIONS

### General values

Connector	Female M12x1, axial
Number of contacts	5
Coding	A
Temp. range	-30°C to +90°C IEC 60664-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm
Wire cross section	0.34 mm <sup>2</sup>
Bending radius	5 x Ø fixed, 10 x Ø repeated

### Electrical values

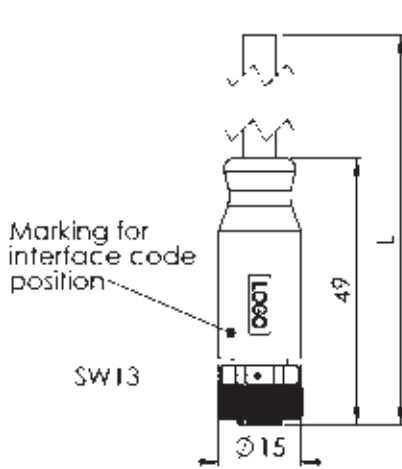
Rated voltage	250 V	(3 - 4 contacts)
IEC 61076-2-101	60 V	(5 contacts)
	30 V	(8 contacts)
Rated current	4 A	(3 - 5 contacts)
IEC 61076-2-101	2 A	(8 contacts)
Volume resistance	≤ 8mΩ	
Mating cycles	> 100	IEC 60512-9A
Pollution degree	3	IEC 60664-1

### Material

Contact material	CuZn, Brass alloy, Au-plated
Contact body material	PA
Coupling nut material	CuZn, Brass alloy, Ni-plated
Grip body material	TPU
Cable jacket material	PUR or PVC
Wire insulation material	PP

# M12 open-end cordset M12UFA Series

Unshielded open-ended cordset, M12x1 female 8-way with PUR or PVC cable



3 contacts



4 contacts



5 contacts



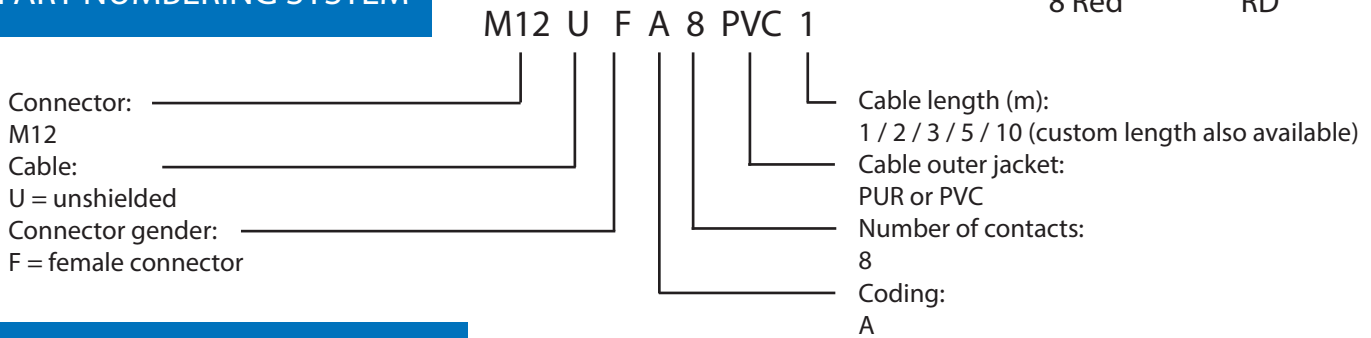
8 contacts



Contact assignment 8-way:

1 White	WH
2 Brown	BN
3 Green	GN
4 Yellow	YE
5 Grey	GY
6 Pink	PK
7 Blue	BU
8 Red	RD

## PART NUMBERING SYSTEM



## TECHNICAL SPECIFICATIONS

### General values

Connector	Female M12x1, axial
Number of contacts	8
Coding	A
Temp. range	-30°C to +90°C IEC 60664-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm
Wire cross section	0.25 mm <sup>2</sup>
Bending radius	5 x Ø fixed, 10 x Ø repeated

### Electrical values

Rated voltage	250 V	(3 - 4 contacts)
IEC 61076-2-101	60 V	(5 contacts)
	30 V	(8 contacts)
Rated current	4 A	(3 - 5 contacts)
IEC 61076-2-101	2 A	(8 contacts)
Volume resistance	≤ 8mΩ	
Mating cycles	> 100	IEC 60512-9A
Pollution degree	3	IEC 60664-1

### Material





Contact material	CuZn, Brass alloy, Au-plated
Contact body material	PA
Coupling nut material	CuZn, Brass alloy, Ni-plated
Grip body material	TPU
Cable jacket material	PUR or PVC
Wire insulation material	PP



M12 Connector System:  
 A-coded moulded cable open end, axial  
 EMI/RFI shielded  
 Male

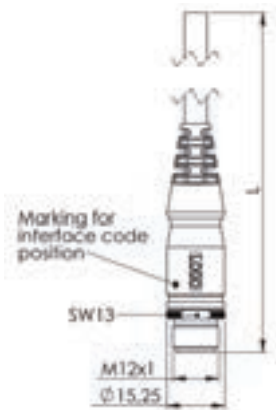


**EMI/RFI shielded moulded cable open end**

Interface	Number of contacts	Rated Current	Rated Voltage	IP rating	Cable length	Custom length	Cable outer jacket	Standard
	3	4A	250V	IP67	1 / 2 / 3 / 5 / 10	Yes	PUR or PVC	IEC 61076-2-101
	4	4A	250V	IP67	1 / 2 / 3 / 5 / 10	Yes	PUR or PVC	IEC 61076-2-101
	5	4A	60V	IP67	1 / 2 / 3 / 5 / 10	Yes	PUR or PVC	IEC 61076-2-101
	8	2A	30V	IP67	1 / 2 / 3 / 5 / 10	Yes	PUR or PVC	IEC 61076-2-101

# M12 open-end cordset M12SMA Series

EMI/RFI shielded open-ended cordset, M12x1 male 3-way with PUR or PVC cable



**360° EMI/RFI shielded backshell**



3 contacts



4 contacts



5 contacts

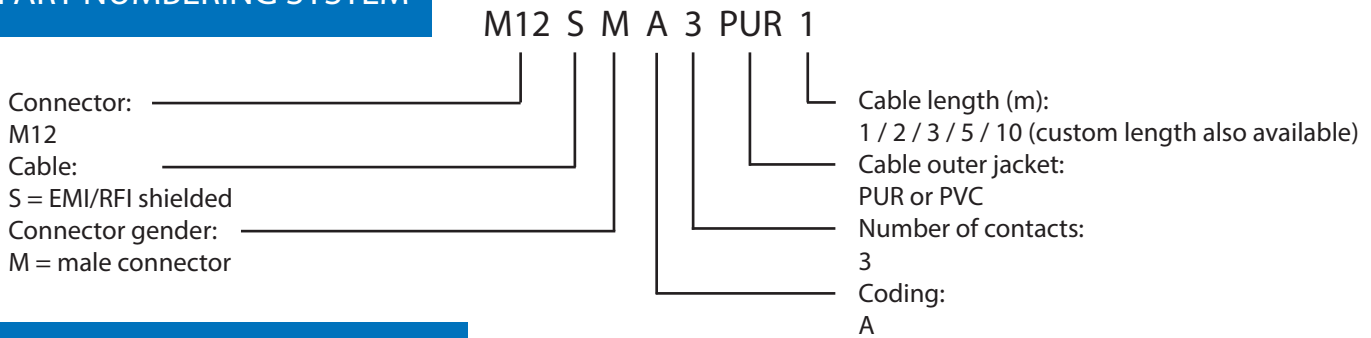


8 contacts



Contact assignment 3-way:  
 1 Brown      BN  
 2 Blue        BU  
 3 Black        BK

## PART NUMBERING SYSTEM



## TECHNICAL SPECIFICATIONS

### General values

Connector	Male, M12x1, straight
Number of contacts	3
Coding	A
Temp. range	-30°C to +80°C IEC 60064-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm
Wire cross section	0.34 mm <sup>2</sup>
Bending radius	5 x Ø fixed, 10 x Ø repeated

### Electrical values

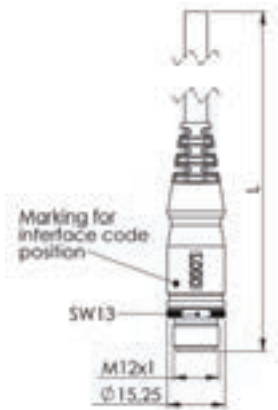
Rated voltage	250 V	IEC 61076-2-101
Rated current	4 A	IEC 61076-2-101
Volume resistance	≤ 8mΩ	
Mating cycles	> 100	IEC 60512-9A
Pollution degree	3	IEC 60664-1

### Material

Contact material	CuZn, Brass alloy, Au-plated
Contact body material	PA
Coupling nut material	CuZn, Brass alloy, Ni-plated
Grip body material	TPU
Cable jacket material	PUR or PVC
Wire insulation material	PP

# M12 open-end cordset M12SMA Series

EMI/RFI shielded open-ended cordset, M12x1 male 4-way with PUR or PVC cable



3 contacts



4 contacts



5 contacts



8 contacts

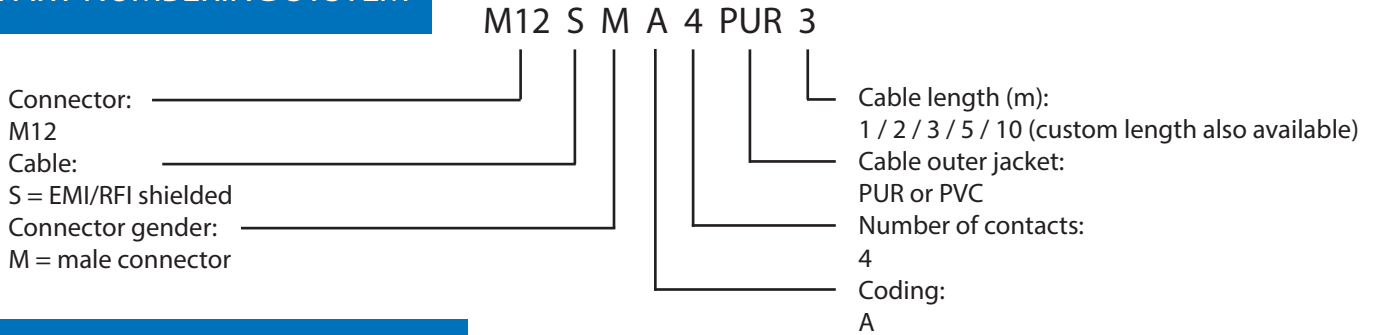


Contact assignment 4-way:

1 Brown	BN
2 White	WH
3 Blue	BU
4 Black	BK

360° EMI/RFI shielded backshell

## PART NUMBERING SYSTEM



## TECHNICAL SPECIFICATIONS

### General values

Connector	Male, M12x1, straight
Number of contacts	4
Coding	A
Temp. range	-30°C to +80°C IEC 60064-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm
Wire cross section	0.34 mm <sup>2</sup>
Bending radius	5 x Ø fixed, 10 x Ø repeated

### Electrical values

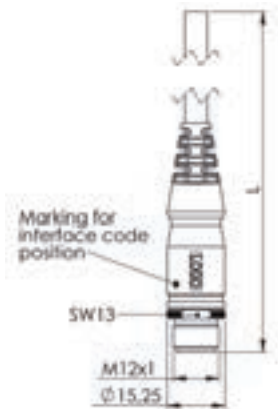
Rated voltage	250 V	IEC 61076-2-101
Rated current	4 A	IEC 61076-2-101
Volume resistance	≤ 8mΩ	
Mating cycles	> 100	IEC 60512-9A
Pollution degree	3	IEC 60664-1

### Material

Contact material	CuZn, Brass alloy, Au-plated
Contact body material	PA
Coupling nut material	CuZn, Brass alloy, Ni-plated
Grip body material	TPU
Cable jacket material	PUR or PVC
Wire insulation material	PP

# M12 open-end cordset M12SMA Series

EMI/RFI shielded open-ended cordset, M12x1 male 5-way with PUR or PVC cable



3 contacts



4 contacts



5 contacts



8 contacts

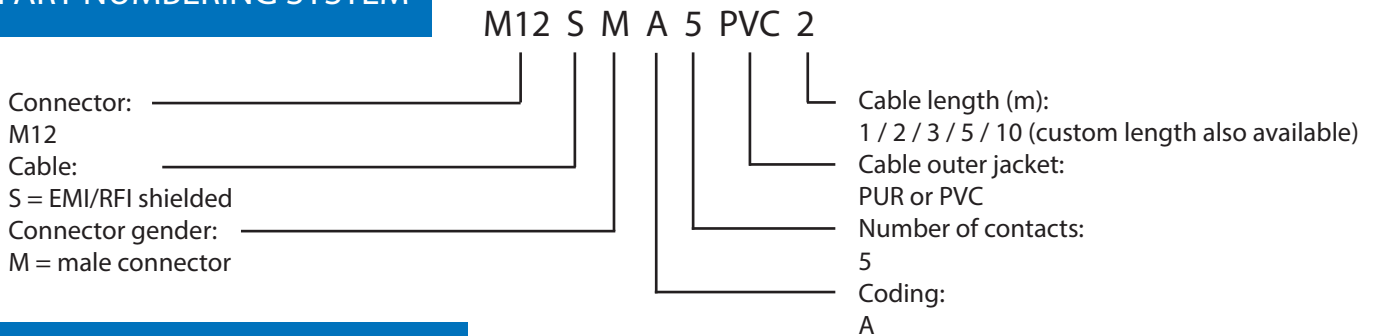


**360° EMI/RFI shielded backshell**

Contact assignment 5-way:

1 Brown	BN
2 White	WH
3 Blue	BU
4 Black	BK
5 Grey	GY

## PART NUMBERING SYSTEM



## TECHNICAL SPECIFICATIONS

### General values

Connector	Male, M12x1, straight
Number of contacts	5
Coding	A
Temp. range	-30°C to +80°C IEC 60064-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm
Wire cross section	0.34 mm <sup>2</sup>
Bending radius	5 x Ø fixed, 10 x Ø repeated

### Electrical values

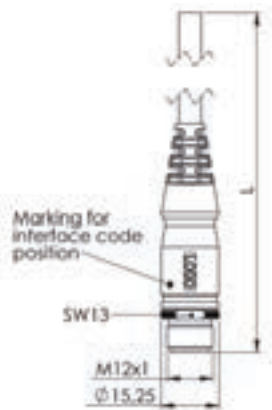
Rated voltage	60 V	IEC 61076-2-101
Rated current	4 A	IEC 61076-2-101
Volume resistance	≤ 8mΩ	
Mating cycles	> 100	IEC 60512-9A
Pollution degree	3	IEC 60664-1

### Material

Contact material	CuZn, Brass alloy, Au-plated
Contact body material	PA
Coupling nut material	CuZn, Brass alloy, Ni-plated
Grip body material	TPU
Cable jacket material	PUR or PVC
Wire insulation material	PP

# M12 open-end cordset M12SMA Series

EMI/RFI shielded open-ended cordset, M12x1 male 8-way with PUR or PVC cable



3 contacts



4 contacts



5 contacts



8 contacts

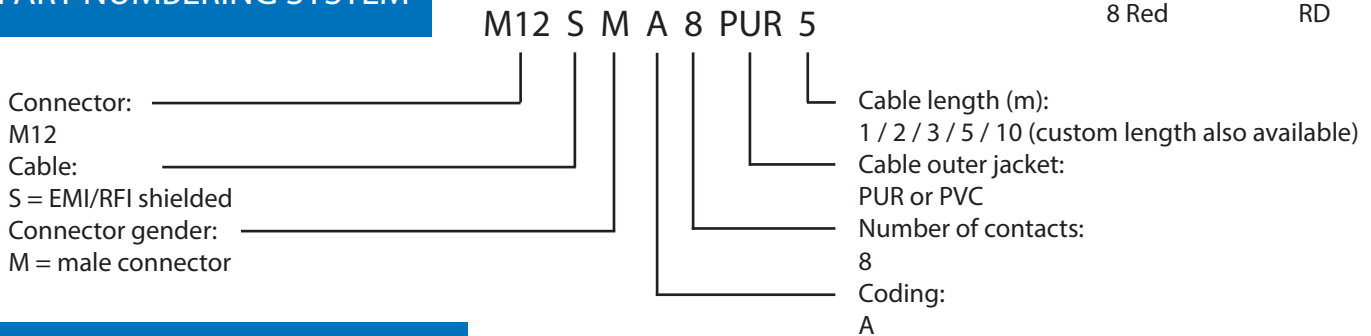


Contact assignment 8-way:

1 White	WH
2 Brown	BN
3 Green	GN
4 Yellow	YE
5 Grey	GY
6 Pink	PK
7 Blue	BU
8 Red	RD

**360° EMI/RFI shielded backshell**

## PART NUMBERING SYSTEM



## TECHNICAL SPECIFICATIONS

### General values

Connector	Male, M12x1, straight
Number of contacts	8
Coding	A
Temp. range	-30°C to +80°C IEC 60064-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm
Wire cross section	0.25 mm <sup>2</sup>
Bending radius	5 x Ø fixed, 10 x Ø repeated

### Electrical values

Rated voltage	30 V	IEC 61076-2-101
Rated current	2 A	IEC 61076-2-101
Volume resistance	≤ 8mΩ	
Mating cycles	> 100	IEC 60512-9A
Pollution degree	3	IEC 60664-1

### Material





Contact material	CuZn, Brass alloy, Au-plated
Contact body material	PA
Coupling nut material	CuZn, Brass alloy, Ni-plated
Grip body material	TPU
Cable jacket material	PUR or PVC
Wire insulation material	PP



M12 Connector System:  
 A-coded moulded cable open end, axial  
 EMI/RFI shielded  
 Female

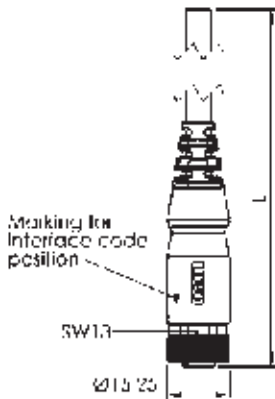


**EMI/RFI shielded moulded cable open end**

Interface	Number of contacts	Rated Current	Rated Voltage	IP rating	Cable length	Custom length	Cable outer jacket	Standard
	3	4A	250V	IP67	1 / 2 / 3 / 5 / 10	Yes	PUR or PVC	IEC 61076-2-101
	4	4A	250V	IP67	1 / 2 / 3 / 5 / 10	Yes	PUR or PVC	IEC 61076-2-101
	5	4A	60V	IP67	1 / 2 / 3 / 5 / 10	Yes	PUR or PVC	IEC 61076-2-101
	8	2A	30V	IP67	1 / 2 / 3 / 5 / 10	Yes	PUR or PVC	IEC 61076-2-101

# M12 open-end cordset M12SFA Series

EMI/RFI shielded open-ended cordset, M12x1 female 3-way with PUR or PVC cable



3 contacts



4 contacts



5 contacts



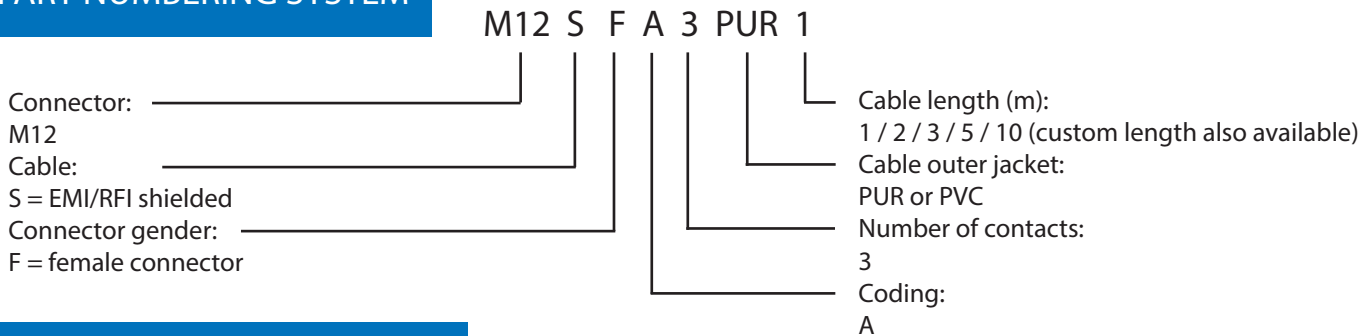
8 contacts



Contact assignment 3-way:  
 1 Brown BN  
 2 Blue BU  
 3 Black BK

**360° EMI/RFI shielded backshell**

## PART NUMBERING SYSTEM



## TECHNICAL SPECIFICATIONS

### General values

Connector	Female, M12x1, straight
Number of contacts	3
Coding	A
Temp. range	-30°C to +80°C IEC 60064-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm
Wire cross section	0.34 mm <sup>2</sup>
Bending radius	5 x Ø fixed, 10 x Ø repeated

### Electrical values

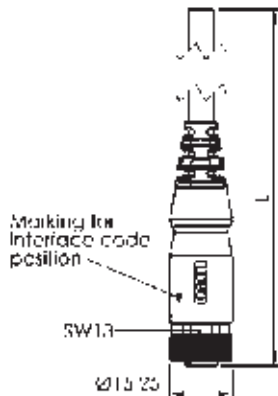
Rated voltage	250 V	IEC 61076-2-101
Rated current	4 A	IEC 61076-2-101
Volume resistance	≤ 8mΩ	
Mating cycles	> 100	IEC 60512-9A
Pollution degree	3	IEC 60664-1

### Material

Contact material	CuZn, Brass alloy, Au-plated
Contact body material	PA
Coupling nut material	CuZn, Brass alloy, Ni-plated
Grip body material	TPU
Cable jacket material	PUR or PVC
Wire insulation material	PP

# M12 open-end cordset M12SFA Series

EMI/RFI shielded open-ended cordset, M12x1 female 4-way with PUR or PVC cable



**360° EMI/RFI shielded backshell**



3 contacts



4 contacts



5 contacts



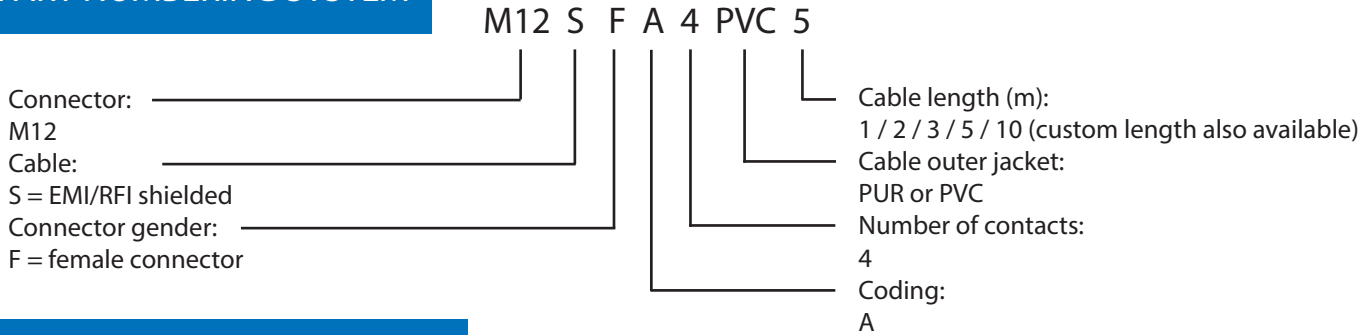
8 contacts



Contact assignment 4-way:

1 Brown	BN
2 White	WH
3 Blue	BU
4 Black	BK

## PART NUMBERING SYSTEM



## TECHNICAL SPECIFICATIONS

### General values

Connector	Female, M12x1, straight
Number of contacts	4
Coding	A
Temp. range	-30°C to +80°C IEC 60064-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm
Wire cross section	0.34 mm <sup>2</sup>
Bending radius	5 x Ø fixed, 10 x Ø repeated

### Electrical values

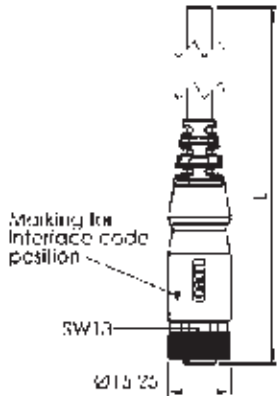
Rated voltage	250 V	IEC 61076-2-101
Rated current	4 A	IEC 61076-2-101
Volume resistance	≤ 8mΩ	
Mating cycles	> 100	IEC 60512-9A
Pollution degree	3	IEC 60664-1

### Material

Contact material	CuZn, Brass alloy, Au-plated
Contact body material	PA
Coupling nut material	CuZn, Brass alloy, Ni-plated
Grip body material	TPU
Cable jacket material	PUR or PVC
Wire insulation material	PP

# M12 open-end cordset M12SFA Series

EMI/RFI shielded open-ended cordset, M12x1 female 5-way with PUR or PVC cable



3 contacts



4 contacts



5 contacts



8 contacts

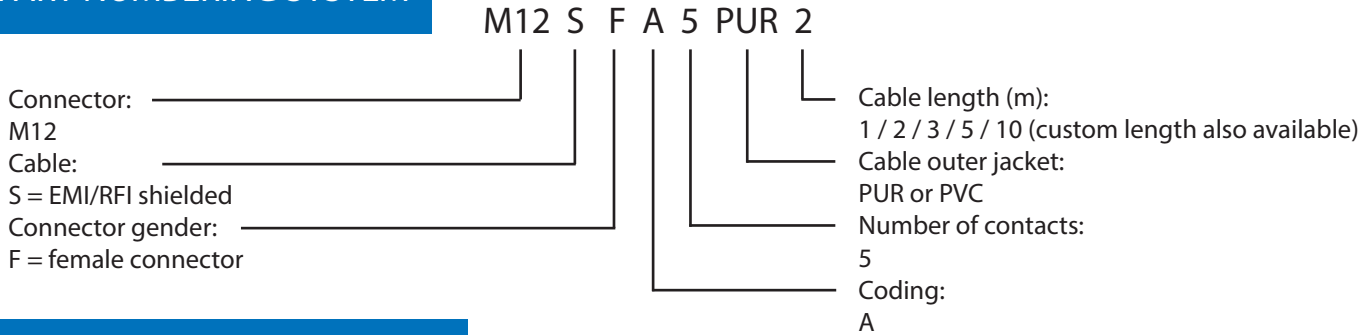


Contact assignment 5-way:

1 Brown	BN
2 White	WH
3 Blue	BU
4 Black	BK
5 Grey	GY

360° EMI/RFI shielded backshell

## PART NUMBERING SYSTEM



## TECHNICAL SPECIFICATIONS

### General values

Connector	Female, M12x1, straight
Number of contacts	5
Coding	A
Temp. range	-30°C to +80°C IEC 60064-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm
Wire cross section	0.34 mm <sup>2</sup>
Bending radius	5 x Ø fixed, 10 x Ø repeated

### Electrical values

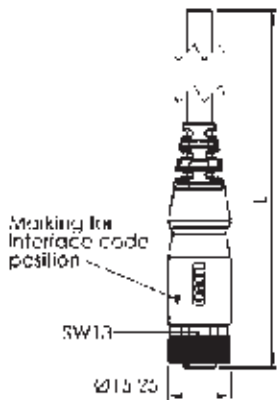
Rated voltage	60 V	IEC 61076-2-101
Rated current	4 A	IEC 61076-2-101
Volume resistance	≤ 8mΩ	
Mating cycles	> 100	IEC 60512-9A
Pollution degree	3	IEC 60664-1

### Material

Contact material	CuZn, Brass alloy, Au-plated
Contact body material	PA
Coupling nut material	CuZn, Brass alloy, Ni-plated
Grip body material	TPU
Cable jacket material	PUR or PVC
Wire insulation material	PP

# M12 open-end cordset M12SFA Series

EMI/RFI shielded open-ended cordset, M12x1 female 8-way with PUR or PVC cable



3 contacts



4 contacts



5 contacts



8 contacts

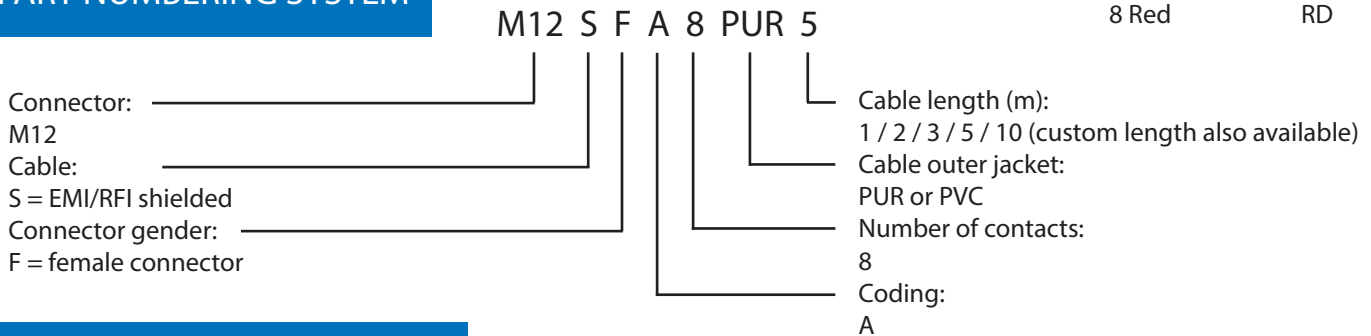


Contact assignment 8-way:

1 White	WH
2 Brown	BN
3 Green	GN
4 Yellow	YE
5 Grey	GY
6 Pink	PK
7 Blue	BU
8 Red	RD

**360° EMI/RFI shielded backshell**

## PART NUMBERING SYSTEM



## TECHNICAL SPECIFICATIONS

### General values

Connector	Female, M12x1, straight
Number of contacts	8
Coding	A
Temp. range	-30°C to +80°C IEC 60064-1
IP rating	IP67 IEC 60529
Mounting torque	60 Ncm
Wire cross section	0.25 mm <sup>2</sup>
Bending radius	5 x Ø fixed, 10 x Ø repeated

### Electrical values

Rated voltage	30 V	IEC 61076-2-101
Rated current	2 A	IEC 61076-2-101
Volume resistance	≤ 8mΩ	
Mating cycles	> 100	IEC 60512-9A
Pollution degree	3	IEC 60664-1

### Material

Contact material	CuZn, Brass alloy, Au-plated
Contact body material	PA
Coupling nut material	CuZn, Brass alloy, Ni-plated
Grip body material	TPU
Cable jacket material	PUR or PVC
Wire insulation material	PP

# M12 Connector Tools

## M12 CRIMPING TOOL

Part number: M12CT



## M12 CRIMPING TOOL LOCATOR

Part number: M12CLT-AWG26/18



### Tool locator setting

Contact item	Wire gauge	Locator setting
M12MC22, M12FC22	AWG 18	6
	AWG 20	6
	AWG 22	5
M12MC24, M12FC24	AWG 20, 22 & 24	6
M12MC26, M12FC26	AWG 22, 24 & 26	6

## M12 SINGLE CRIMP CONTACTS

### Turned male contacts

Part number	Wire gauge	Packaging	Contact diameter
M12MC22	AWG 22 - 18 / 0,33 - 0,82 mm <sup>2</sup>	100 pcs per unit	1,0 mm
M12MC24	AWG 24 - 20 / 0,21 - 0,52 mm <sup>2</sup>	100 pcs per unit	1,0 mm
M12MC26	AWG 26 - 22 / 0,13 - 0,33 mm <sup>2</sup>	100 pcs per unit	1,0 mm
M12MC228	AWG 22 - 18 / 0,33 - 0,82 mm <sup>2</sup>	100 pcs per unit	0,8 mm
M12MC248	AWG 24 - 20 / 0,21 - 0,52 mm <sup>2</sup>	100 pcs per unit	0,8 mm
M12MC268	AWG 26 - 22 / 0,13 - 0,33 mm <sup>2</sup>	100 pcs per unit	0,8 mm



### Turned female contacts

Part number	Wire gauge	Packaging	Contact diameter
M12FC22	AWG 22 - 18 / 0,33 - 0,82 mm <sup>2</sup>	100 pcs per unit	1,0 mm
M12FC24	AWG 24 - 20 / 0,21 - 0,52 mm <sup>2</sup>	100 pcs per unit	1,0 mm
M12FC26	AWG 26 - 22 / 0,13 - 0,33 mm <sup>2</sup>	100 pcs per unit	1,0 mm
M12FC228	AWG 22 - 18 / 0,33 - 0,82 mm <sup>2</sup>	100 pcs per unit	0,8 mm
M12FC248	AWG 24 - 20 / 0,21 - 0,52 mm <sup>2</sup>	100 pcs per unit	0,8 mm
M12FC268	AWG 26 - 22 / 0,13 - 0,33 mm <sup>2</sup>	100 pcs per unit	0,8 mm



## M12 DYNAMOMETRIC SCREWDRIVER

Part number	Dimension	Mounting torque
M12DYSC16	SW16	60 Ncm
M12DYSC18	SW18	60 Ncm

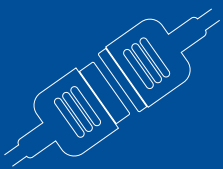




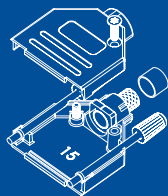


# CONNECT TO OSSI

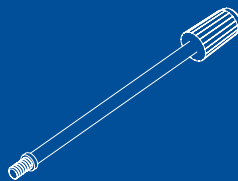
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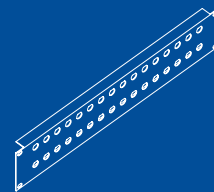
MAIN  
CATALOGUE



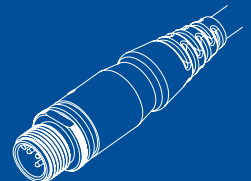
D-SUB  
BACKSHELLS



D-SUB  
ACCESSORIES



19" PATCH  
PANELS



M12 CIRCULAR  
CONNECTORS

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