

# Assembly Instructions

## RM12C Series



**Listed products:**

Product no.	Description
935092001	RM12C-MSSV4A
935092002	RM12C-FSSV4A
935092003	RM12C-MSSV5A
935092004	RM12C-FSSV5A
935093001	RM12C-MASV4A
935093002	RM12C-FASV4A
935093003	RM12C-MASV5A
935093004	RM12C-FASV5A
935092006	RM12C-MSSV4AD-CAT5
935092007	RM12C-FSSV4AD-CAT5
935092009	RM12C-FSSR4D-CAT5
935092005	RM12C-MSSV8A
935092008	RM12C-MSSV8X-CAT6a
935093006	RM12C-MASV4AD-CAT5
935093007	RM12C-FASV4AD-CAT5
935093005	RM12C-MASV8A
932507008	Crimping tool XZC 0708 RM12
932507009	XZC 0708 RM12 Locator
934959001	DMEWKZ P12-16

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# RM12C – Rail Series Nomenclature



## Attachment Design

RM = Railway Metric Screw  
 NM = Nirosta Metric Screw  
 PP = Push Pull  
 RP = Railway Push Pull  
 SM = Standard Metric Screw  
 RJ = Registered Jack

## Attachment Size

12 = M12 Metric Size  
 08 = M8 Metric Size  
 45 = Registered Jack - 45

## Termination Method

C = Crimp Termination (Field Attachable Connector)  
 I = IDC Termination (Insulation Displacement Connection = Field Attachable Connector)  
 S = Screw Termination (Field Attachable Connector)

## Gender

M = Male  
 F = Female

## Body Version

A = Angled  
 S = Straight

## Shielding

S = Shielded  
 U = Unshielded

## Specifics

V = „V“ = Slot (Not specified within RM12C)

## Pole

4 = 4-Pins  
 5 = 5-Pins  
 8 = 8-Pins

## Coding

A = A-Coding  
 D = D-Codig  
 X = X-Coding

## Category Class

CAT5 =  
 CAT6 =  
 CAT6a = Category class named if applicable  
 CAT7 =

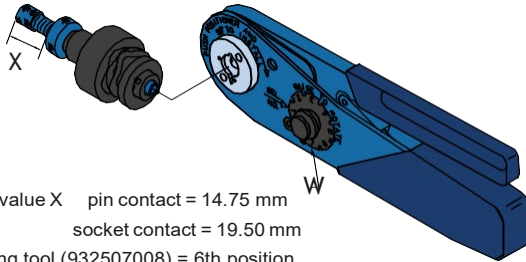
## RM12C 2/3/4/5-pin, A-coded, male

Push the coupling nut (1), cable gland (2) and the screen contact spring (3) onto the cable. **[Figure a]**

Strip off the cable insulation sheath by 25 mm. Cut the metal shielding braid for 10 mm ... 15 mm. **[Figure b]**

Strip the wires to a length of 4.5 mm ... 5.0 mm. **[Figure c]**

Push the contacts onto stripped wire end and crimp with adequate crimping tool. Ensure visibility of the wire through the inspection hole at contact bucket side. The use of the crimping tool (932507008) with the locator (932507009) is recommended.



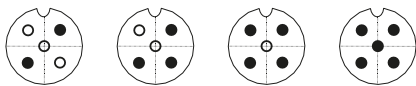
Locator (932507009) value X pin contact = 14.75 mm  
socket contact = 19.50 mm  
Selector W on Crimping tool (932507008) = 6th position.

Push the adapter (4) on to the cable. **[Figure d]**

Snap the contacts into the contact carrier (5) as shown in the table below. **[Figure e]**

### Listed products:

RM12C-MSSV4A	935092001
RM12C-MSSV5A	935092003



Contacts	Cavity
Contact 1	A
Contact 2	B
Contact 3	C
Contact 4	D
Contact 5	E



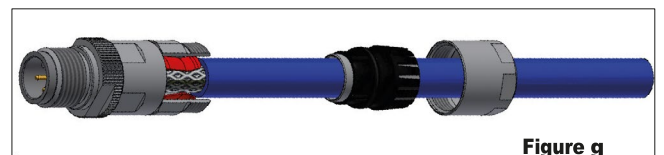
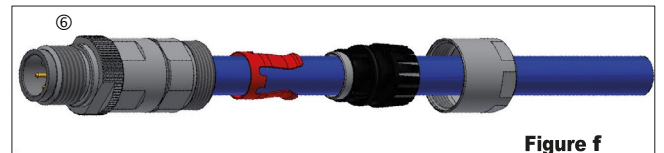
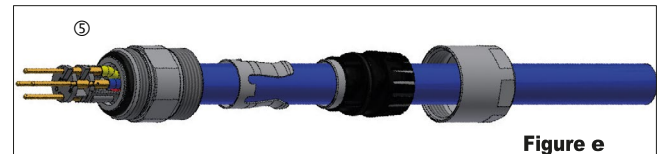
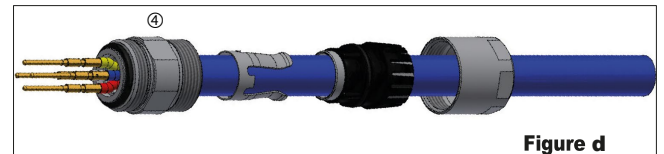
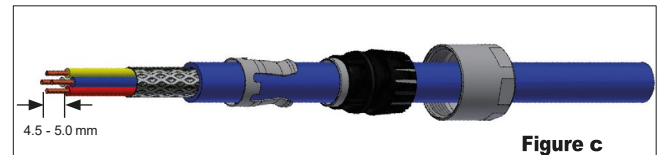
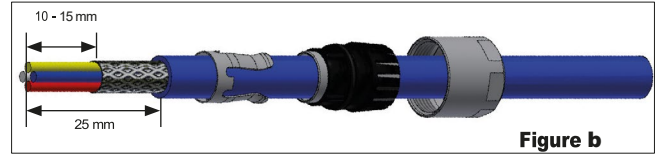
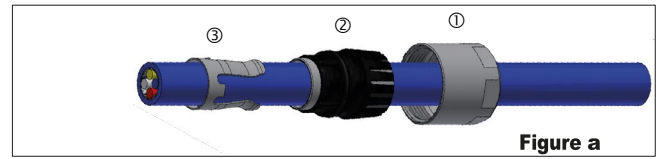
Insert the pre-assembled cable with the contact carrier - in compliance with the coding check mark (notch) - fully into the M12 front module (6) and screw it on the adapter (\*). **[Figure f]**

Slide the screen contact spring on the cable shield up to the stop in the adapter. Make sure that the feet of the screen contact spring are standing firmly on the braided shield. **[Figure g]**

Fully push the cable gland into the adapter, so that the feet of the screen contact spring lies under the cable gland and firmly press on the braided shield.

Close the M12 connector permanently, by using the DMEWKZ P12-16 (934959001) spanner to screw the coupling nut to the adapter (\*). **[Figure h]**

(\*) Applicable tightening torque is approx. 1.5 Nm ... 2.0 Nm (max. 3.0 Nm)



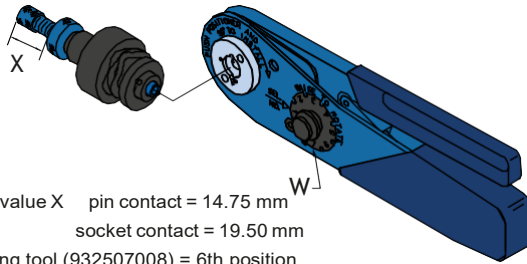
## RM12C 2/3/4/5-pin, A-coded, female

Push the coupling nut (1), cable gland (2) and the screen contact spring (3) onto the cable. **[Figure a]**

Strip off the cable insulation sheath by 25 mm. Cut the metal shielding braid for 10 mm ... 15 mm. **[Figure b]**

Strip the wires to a length of 4.5 mm ... 5.0 mm. **[Figure c]**

Push the contacts onto stripped wire end and crimp with adequate crimping tool. Ensure visibility of the wire through the inspection hole at contact bucket side. The use of the crimping tool (932507008) with the locator (932507009) is recommended.



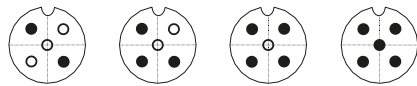
Locator (932507009) value X pin contact = 14.75 mm  
socket contact = 19.50 mm  
Selector W on Crimping tool (932507008) = 6th position.

Push the adapter (4) on to the cable. **[Figure d]**

Snap the contacts into the contact carrier (5) as shown in the table below. **[Figure e]**

### Listed products:

RM12C-FSSV4A	935092002
RM12C-FSSV5A	935092004



Contacts	Cavity
Contact 1	B
Contact 2	A
Contact 3	D
Contact 4	C
Contact 5	E



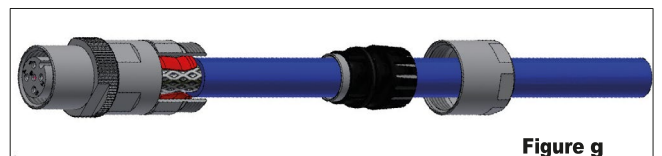
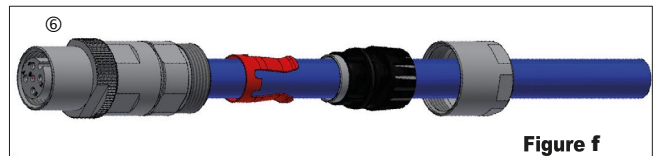
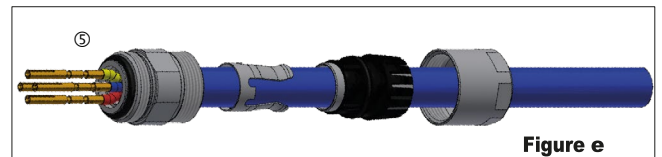
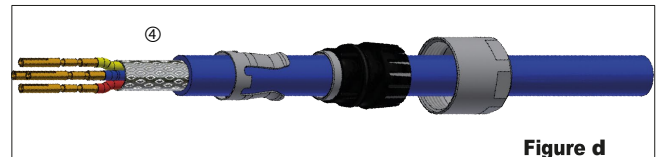
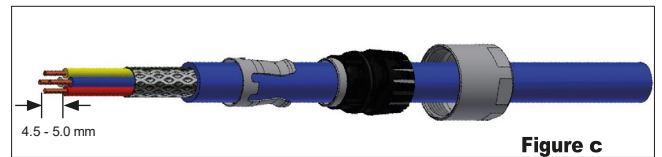
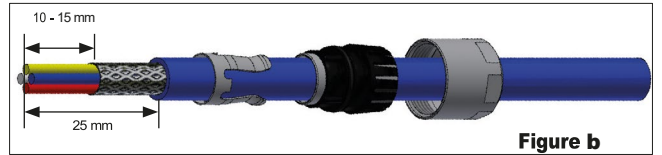
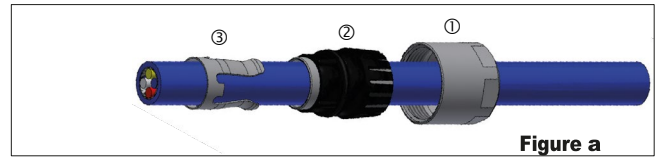
Insert the pre-assembled cable with the contact carrier - in compliance with the coding check mark (notch) - fully into the M12-front-module (6) and screw it on the adapter (\*). **[Figure f]**

Slide the screen contact spring on the cable shield up to the stop in the adapter. Make sure that the feet of the screen contact spring are standing firmly on the braided shield. **[Figure g]**

Fully push the cable gland into the adapter, so that the feet of the screen contact spring lies under the cable gland and firmly press on the braided shield.

Close the M12-connector permanently, by using the DMEWKZ P12-16 (934959001) spanner to screw the coupling nut to the adapter (\*). **[Figure h]**

(\*) Applicable tightening torque is approx. 1.5 Nm ... 2.0 Nm (max. 3.0 Nm)



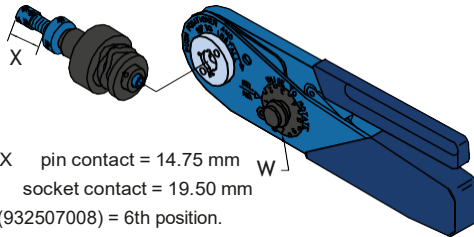
## RM12C 2/3/4/5-pin, A-coded, male, angled

Push the coupling nut (1), cable gland (2) and the screen contact spring (3) onto the cable. **[Figure a]**

Strip off the cable insulation sheath by 38 mm. Cut the metal shielding braid for 20 mm. **[Figure b]**

Push the 100° angle adapter over the cable. Strip the wires to a length of 4.5 mm ... 5.0 mm. **[Figure c]**

Push the contacts onto stripped wire end and crimp with adequate crimping tool. Ensure visibility of the wire through the inspection hole at contact bucket side. The use of the crimping tool (932507008) with the locator (932507009) is recommended.



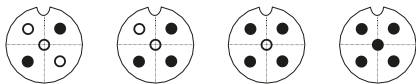
Locator (932507009) value X pin contact = 14.75 mm  
socket contact = 19.50 mm

Selector W on Crimping tool (932507008) = 6th position.

Snap the contacts into the contact carrier (5) as shown in the table below. **[Figure d]**

### Listed products:

RM12C-MASV4A	935093001
RM12C-MASV5A	935093003



Contacts	Cavity
Contact 1	A
Contact 2	B
Contact 3	C
Contact 4	D
Contact 5	E



The cable outlet can be determined by the feet on the angle adapter. **[Figure d 1]** It is important to note that a pre-assembled plug may be turned a maximum of 60° to the left or right. Otherwise, the cable will be overtwisted and in the worst case the strands will be torn out of the contacts. If more than 60° is required, it is necessary to loosen the cable gland and reposition the cable beforehand.

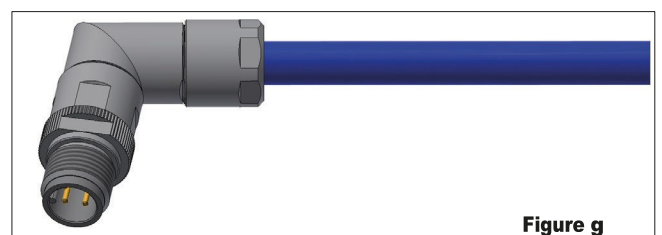
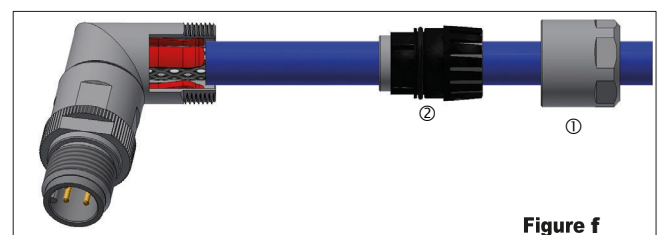
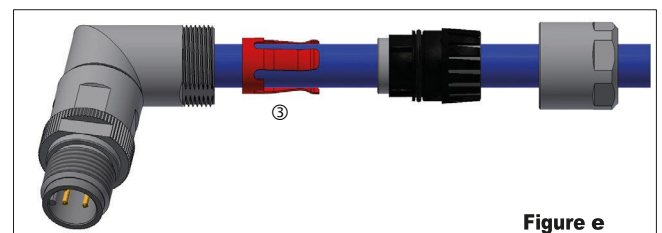
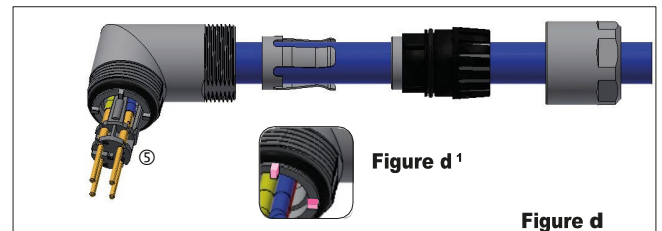
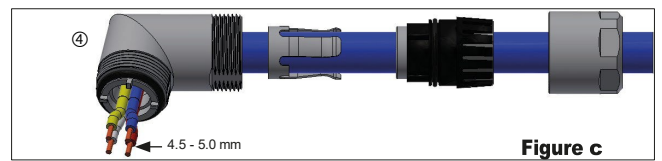
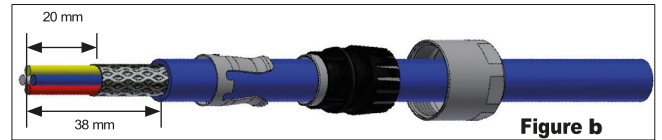
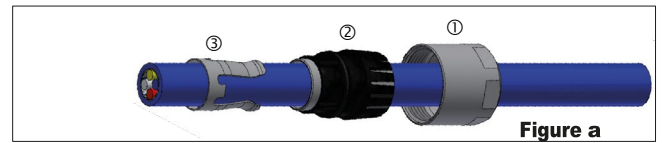
Insert the pre-assembled cable with the contact carrier in compliance with the coding check mark (notch) completely into the M12 module (5). Screw the M12 module on the adapter with a spanner (max. 2.5 mm thickness) SW14. (\*) The use of DMEWKZ P12-16 (934959001) spanner is recommended. **[Figure e]**

Slide the screen contact spring (3) on the cable shield up to the stop in the adapter. Make sure that the feet of the screen contact spring are standing firmly on the braided shield. **[Figure f]**

Fully push the cable gland (2) into the adapter, so that the feet of the screen contact spring lies under the cable gland and firmly press on the braided shield.

Close the M12-connector permanently, by using the DMEWKZ P12-16 (934959001) spanner to screw the coupling nut to the adapter (\*). **[Figure g]**

(\*) Applicable tightening torque is approx. 1.5 Nm ... 2.0 Nm (max. 3.0 Nm)



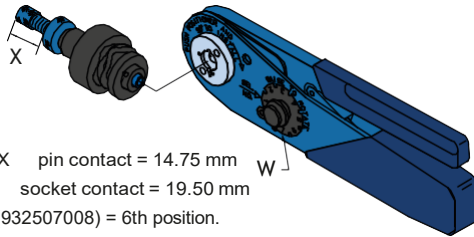
## RM12C 2/3/4/5-pin, A-coded, female, angled

Push the coupling nut (1), cable gland (2) and the screen contact spring (3) onto the cable. **[Figure a]**

Strip off the cable insulation sheath by 38 mm. Cut the metal shielding braid for 20 mm. **[Figure b]**

Push the 100° angle adapter over the cable. Strip the wires to a length of 4.5 mm ... 5.0 mm. **[Figure c]**

Push the contacts onto stripped wire end and crimp with adequate crimping tool. Ensure visibility of the wire through the inspection hole at contact bucket side. The use of the crimping tool (932507008) with the locator (932507009) is recommended.



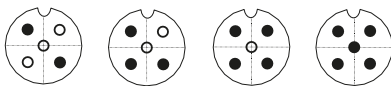
Locator (932507009) value X pin contact = 14.75 mm  
socket contact = 19.50 mm

Selector W on Crimping tool (932507008) = 6th position.

Snap the contacts into the contact carrier (5) as shown in the table below. **[Figure d]**

### Listed products:

RM12C-FASV4A	935093002
RM12C-FASV5A	935093004



Contacts	Cavity
Contact 1	B
Contact 2	A
Contact 3	D
Contact 4	C
Contact 5	E



The cable outlet can be determined by the feet on the angle adapter. **[Figure d 1]** It is important to note that a pre-assembled plug may be turned a maximum of 60° to the left or right. Otherwise, the cable will be overtwisted and in the worst case the strands will be torn out of the contacts. If more than 60° is required, it is necessary to loosen the cable gland and reposition the cable beforehand.

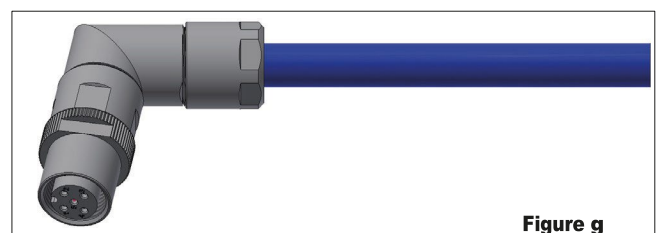
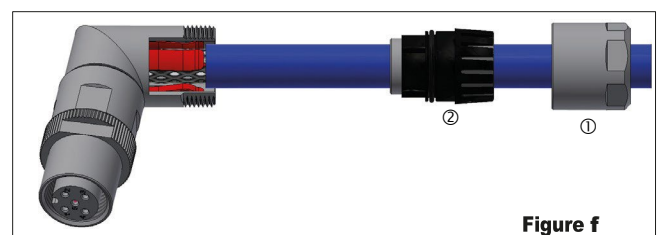
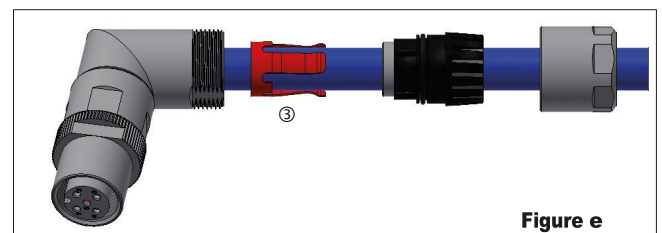
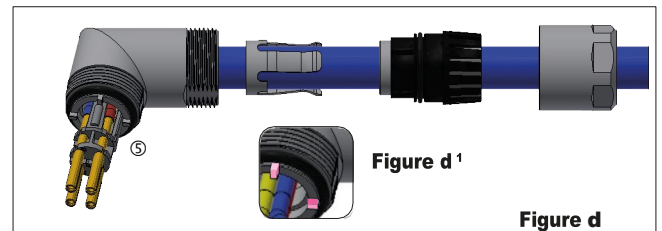
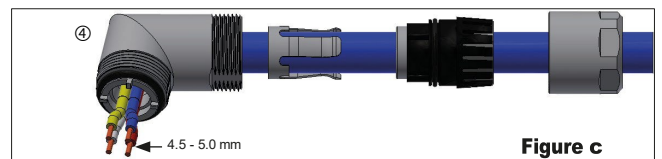
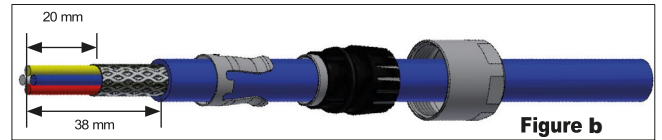
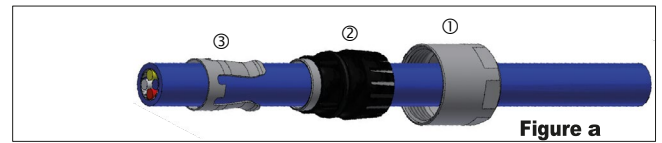
Insert the pre-assembled cable with the contact carrier in compliance with the coding check mark (notch) completely into the M12 module (5). Screw the M12 module on the adapter with a spanner (max. 2.5 mm thickness) SW14. (\*) The use of DMEWKZ P12-16 (934959001) spanner is recommended. **[Figure e]**

Slide the screen contact spring (3) on the cable shield up to the stop in the adapter. Make sure that the feet of the screen contact spring stand firmly on the braided shield. **[Figure f]**

Fully push the cable gland (2) into the adapter, so that the feet of the screen contact spring lies under the cable gland and firmly press on the braided shield.

Close the M12-connector permanently, by using the DMEWKZ P12-16 (934959001) spanner to screw the coupling nut to the adapter (\*). **[Figure g]**

(\*) Applicable tightening torque is approx. 1.5 Nm ... 2.0 Nm (max. 3.0 Nm)



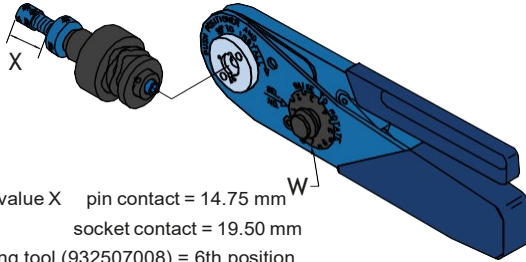
## RM12C 8-pin, A-coded, male

Push the coupling nut (1), cable gland (2) and the screen contact spring (3) onto the cable. **[Figure a]**

Strip off the cable insulation sheath by 25 mm. Cut the metal shielding braid and aluminum foil for 10 mm ... 15 mm. **[Figure b]**

Strip the wires to a length of 6.0 mm ... 6.5 mm. **[Figure c]**

Push the contacts onto stripped wire end and crimp with adequate crimping tool. Ensure visibility of the wire through the inspection hole at contact bucket side. The use of the crimping tool (932507008) with the locator (932507009) is recommended.



Locator (932507009) value X pin contact = 14.75 mm  
socket contact = 19.50 mm  
Selector W on Crimping tool (932507008) = 6th position.

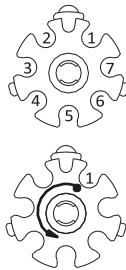
Push adapter (4) on to the cable. **[Figure d]**

Snap the contacts into the contact carrier (5) as shown in the table below. **[Figure e]**

### Listed products:

RM12C-MSSV8A	935092005
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Contacts	Wire colors acc. TIA 568B
Contact 1	blue / white
Contact 2	brown /white
Contact 3	brown
Contact 4	orange
Contact 5	green / white
Contact 6	orange /white
Contact 7	blue
Contact 8	green



Insert the pre-assembled ethernet cable with the contact carrier in compliance with the coding check mark (notch) - fully into the M12 front module (5) and screw it on the adapter (\*). **[Figure f]**

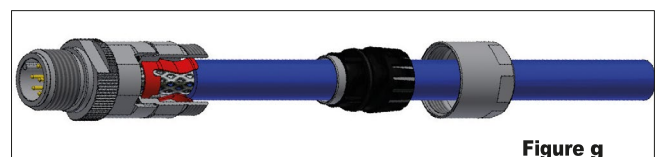
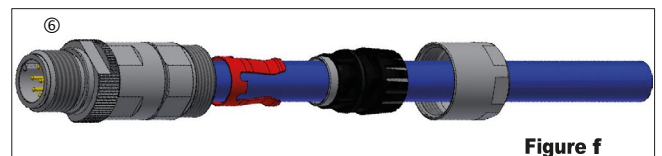
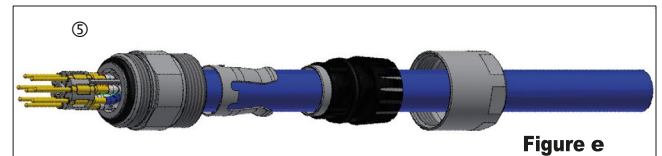
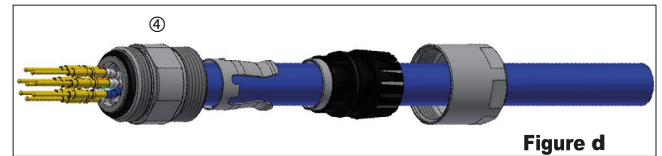
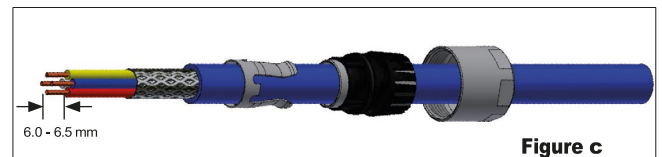
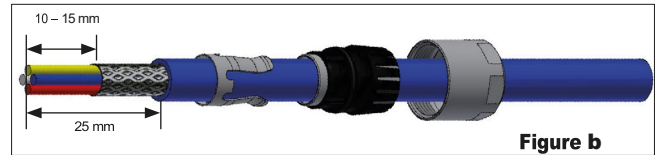
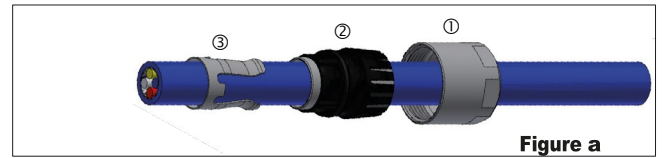
Slide the screen contact spring on the cable shield up to the stop in the adapter. Make sure that the feet of the screen contact spring are standing firmly on the braided shield.

**[Figure g]**

Fully push the cable gland into the adapter, so that the feet of the screen contact spring lies under the cable gland and firmly press on the braided shield.

Close the M12-connector permanently, by using the DMEWKZ P12-16 (934959001) spanner to screw the coupling nut to the adapter (\*). **[Figure h]**

(\*) Applicable tightening torque is approx. 1.5 Nm ... 2.0 Nm (max. 3.0 Nm)



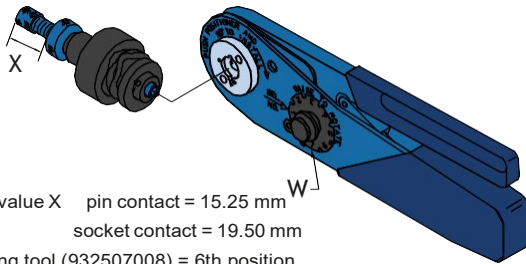
## RM12C 8-pin, A-coded, male, angled

Push the coupling nut (1), cable gland (2) and the screen contact spring (3) onto the cable. **[Figure a]**

Strip off the cable insulation sheath by 40 mm. Cut the metal shielding braid for 20 mm. **[Figure b]**

Push the 100° angle adapter over the cable. Strip the wires to a length of 6.0 mm ... 6.5 mm. **[Figure c]**

Push the contacts onto stripped wire end and crimp with adequate crimping tool. Ensure visibility of the wire through the inspection hole at contact bucket side. The use of the crimping tool (932507008) with the locator (932507009) is recommended.



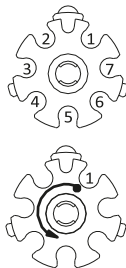
Locator (932507009) value X pin contact = 15.25 mm  
socket contact = 19.50 mm  
Selector W on Crimping tool (932507008) = 6th position.

Arrange the contacts according to the color coding as on the table shown below into the contact carrier (5) (Ethernet-standard). **[Figure d]**

### Listed products:

RM12C-MASV8A	935093005
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Contacts	Wire colors acc. TIA 568B
Contact 1	blue / white
Contact 2	brown /white
Contact 3	brown
Contact 4	orange
Contact 5	green / white
Contact 6	orange /white
Contact 7	blue
Contact 8	green



The cable outlet can be determined by the feet on the angle adapter. **[Figure d 1]** It is important to note that a pre-assembled plug may be turned a maximum of 60° to the left or right. Otherwise, the cable will be overtwisted and in the worst case the strands will be torn out of the contacts. If more than 60° is required, it is necessary to loosen the cable gland and reposition the cable beforehand.

Insert the pre-assembled ethernet cable with the contact carrier in compliance with the coding check mark (notch) completely into the M12 module (5). Screw the M12 module on the adapter with a spanner (max. 2.5 mm thickness) SW14. (\*) The use of DMEWKZ P12-16 (934959001) spanner is recommended. **[Figure e]**

Slide the screen contact spring (3) on the cable shield up to the stop in the adapter. Make sure that the feet of the screen contact spring are standing firmly on the braided shield. **[Figure f]**

Fully push the cable gland (2) into the adapter, so that the feet of the screen contact spring lies under the cable gland and firmly press on the braided shield.

Close the M12-connector permanently, by using the DMEWKZ P12-16 (934959001) spanner to screw the coupling nut to the adapter (\*). **[Figure g]**

(\*) Applicable tightening torque is approx. 1.5 Nm ... 2.0 Nm (max. 3.0 Nm)

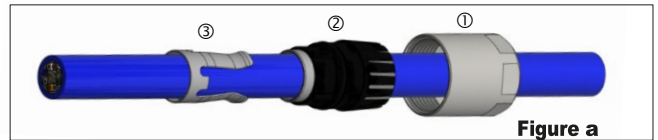


Figure a

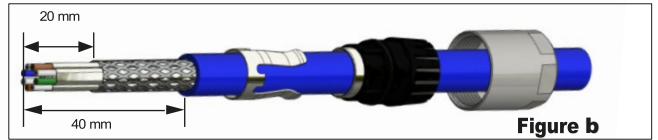


Figure b

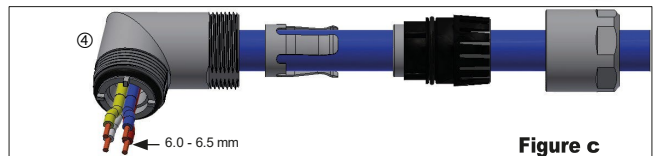


Figure c

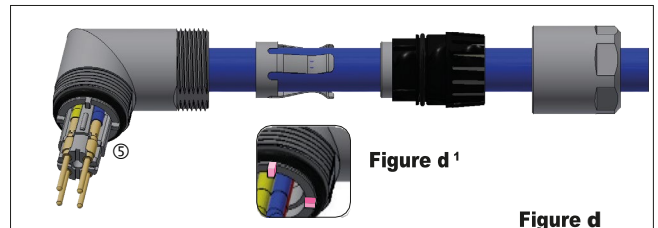


Figure d 1

Figure d

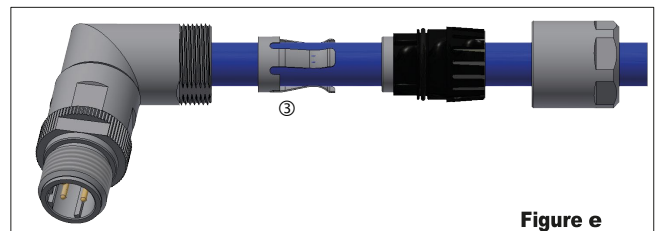


Figure e

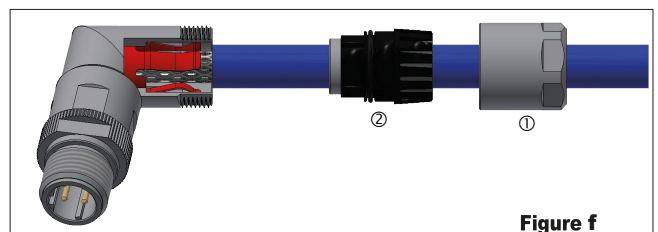


Figure f

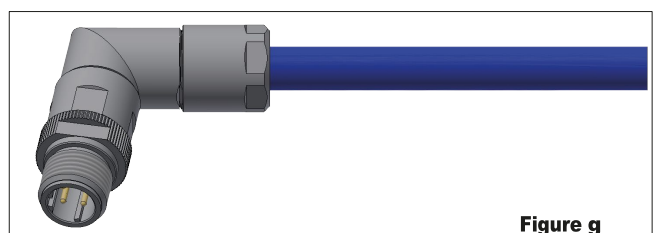


Figure g



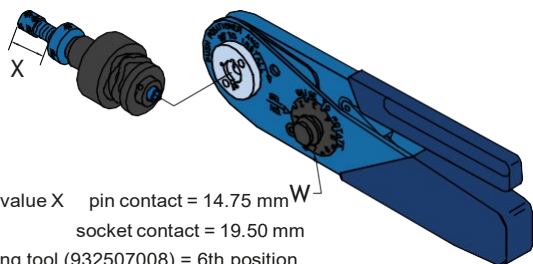
## RM12C 4-pin, D-coded, male

Push the coupling nut (1), cable gland (2) and the screen contact spring (3) onto the cable. **[Figure a]**

Strip off the cable insulation sheath by 25 mm. Cut the metal shielding braid for 10 mm ... 15 mm. **[Figure b]**

Strip the wires to a length of 4.5 mm ... 5.0 mm. **[Figure c]**

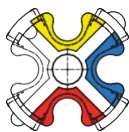
Push the contacts onto stripped wire end and crimp with adequate crimping tool. Ensure visibility of the wire through the inspection hole at contact bucket side. The use of the crimping tool (932507008) with the locator (932507009) is recommended.



Locator (932507009) value X pin contact = 14.75 mm  
socket contact = 19.50 mm  
Selector W on Crimping tool (932507008) = 6th position.

Push the adapter (4) on to the cable. **[Figure d]**

Arrange the contacts according to the color coding as on the table shown below into the contact carrier (5) (Ethernet-standard). **[Figure e]**



### Listed products:

RM12C-MSSV4AD-CAT5	935092006
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Contacts	Occupancy	PNO-PROFINET	ODVA-ETHERNET/IP
Contact 1	TD+	yellow	white-orange
Contact 2	RD+	white	white-green
Contact 3	TD-	orange	orange
Contact 4	RD-	blue	green

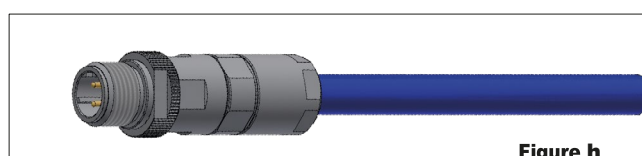
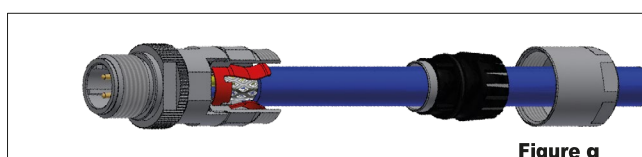
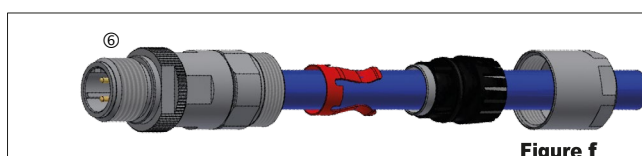
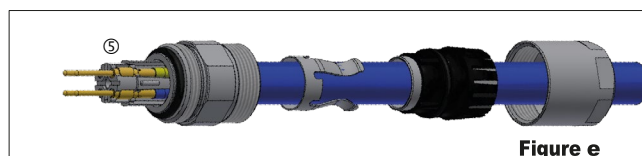
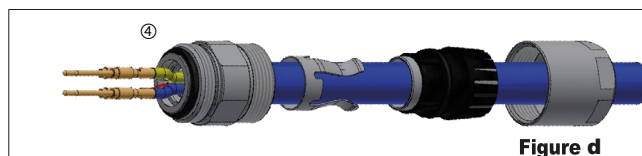
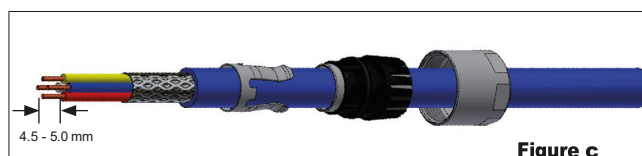
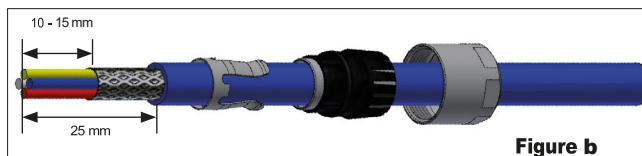
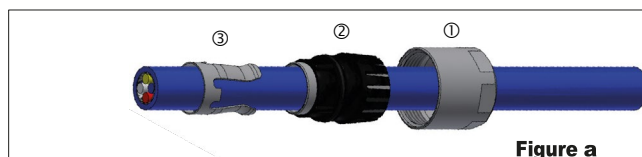
Insert the pre-assembled ethernet cable with the contact carrier in compliance with the coding check mark (notch) - fully into the M12 front module (6) and screw it on the adapter (\*). **[Figure f]**

Slide the screen contact spring on the cable shield up to the stop in the adapter. Make sure that the feet of the screen contact spring are standing firmly on the braided shield. **[Figure g]**

Fully push the cable gland into the adapter, so that the feet of the screen contact spring lies under the cable gland and firmly press on the braided shield.

Close the M12-connector permanently, by using the DMEWKZ P12-16 (934959001) spanner to screw the coupling nut to the adapter (\*). **[Figure h]**

(\*) Applicable tightening torque is approx. 1.5 Nm ... 2.0 Nm (max. 3.0 Nm)



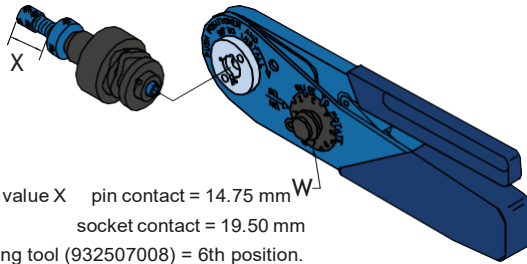
## RM12C 4-pin, D-coded, female

Push the coupling nut (1), cable gland (2) and the screen contact spring (3) onto the cable. **[Figure a]**

Strip off the cable insulation sheath by 25 mm. Cut the metal shielding braid for 10 - 15 mm. **[Figure b]**

Strip the wires to a length of 4.5 mm ... 5.0 mm. **[Figure c]**

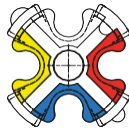
Push the contacts onto stripped wire end and crimp with adequate crimping tool. Ensure visibility of the wire through the inspection hole at contact bucket side. The use of the crimping tool (932507008) with the locator (932507009) is recommended.



Locator (932507009) value X pin contact = 14.75 mm  
 socket contact = 19.50 mm  
 Selector W on Crimping tool (932507008) = 6th position.

Push the adapter (4) on to the cable. **[Figure d]**

Arrange the contacts according to the color coding as on the table shown below into the contact carrier (5) (Ethernet-standard). **[Figure e]**



### Listed products:

RM12C-FSSV4AD-CAT5	935092007
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Contacts	Occupancy	PNO-PROFINET	ODVA-ETHERNET/IP
Contact 1	TD+	yellow	white-orange
Contact 2	RD+	white	white-green
Contact 3	TD-	orange	orange
Contact 4	RD-	blue	green

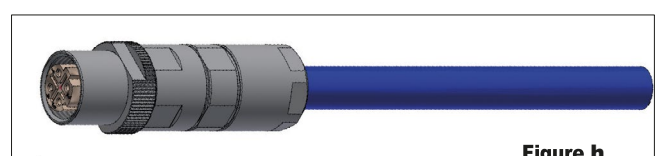
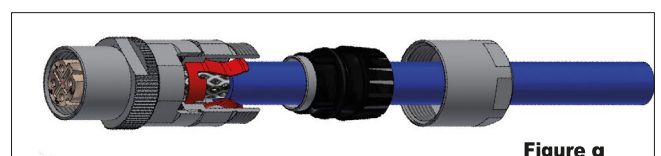
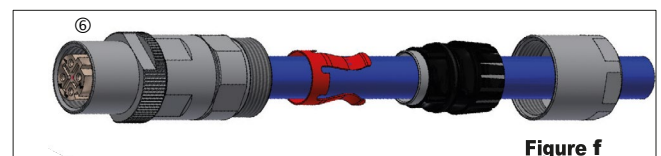
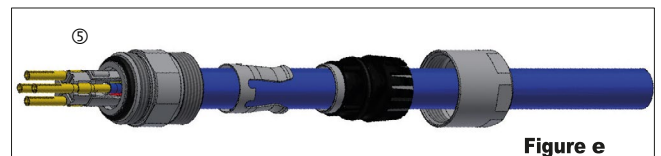
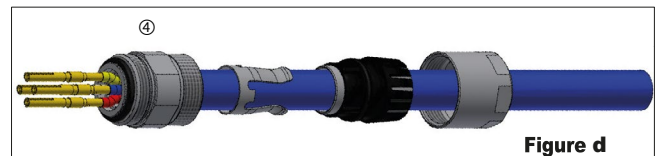
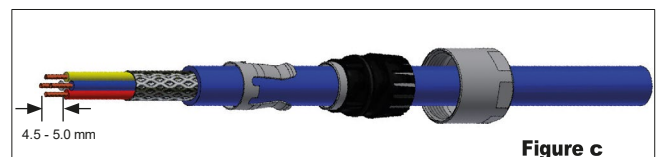
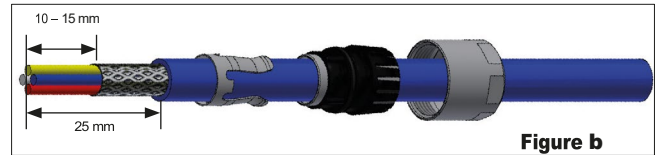
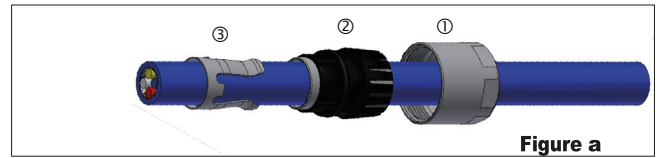
Insert the pre-assembled ethernet cable with the contact carrier in compliance with the coding check mark (notch) - fully into the M12 front module (6) and screw it on the adapter (\*). **[Figure f]**

Slide the screen contact spring on the cable shield up to the stop in the adapter. Make sure that the feet of the screen contact spring standing firmly on the braided shield. **[Figure g]**

Fully push the cable gland into the adapter, so that the feet of the screen contact spring lies under the cable gland and firmly press on the braided shield.

Close the M12-connector permanently, by using the DMEWKZ P12-16 (934959001) spanner to screw the coupling nut to the adapter (\*). **[Figure h]**

(\* ) Applicable tightening torque is approx. 1.5 Nm ... 2.0 Nm (max. 3.0 Nm)



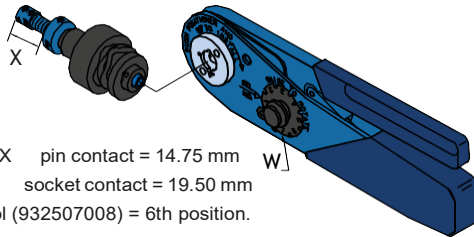
## RM12C 4-pin, D-coded, male, angled

Push the coupling nut (1), cable gland (2) and the screen contact spring (3) onto the cable. **[Figure a]**

Strip off the cable insulation sheath by 38 mm. Cut the metal shielding braid for 20 mm. **[Figure b]**

Push the 100° angle adapter over the cable. Strip the wires to a length of 4.5 mm ... 5.0 mm. **[Figure c]**

Push the contacts onto stripped wire end and crimp with adequate crimping tool. Ensure visibility of the wire through the inspection hole at contact bucket side. The use of the crimping tool (932507008) with the locator (932507009) is recommended.

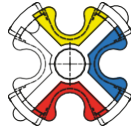


Locator (932507009) value X pin contact = 14.75 mm

socket contact = 19.50 mm

Selector W on Crimping tool (932507008) = 6th position.

Arrange the contacts according to the color coding as on the table shown below into the contact carrier (5) (Ethernet-standard). **[Figure d]**



### Listed products:

RM12C-MASV4AD-CAT5	935093006
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Contacts	Occupancy	PNO-PROFINET	ODVA-ETHERNET/IP
Contact 1	TD+	yellow	white-orange
Contact 2	RD+	white	white-green
Contact 3	TD-	orange	orange
Contact 4	RD-	blue	green

The cable outlet can be determined by the feet on the angle adapter. **[Figure d 1]** It is important to note that a pre-assembled plug may be turned a maximum of 60° to the left or right. Otherwise, the cable will be overtightened and in the worst case the strands will be torn out of the contacts. If more than 60° is required, it is necessary to loosen the cable gland and reposition the cable beforehand.

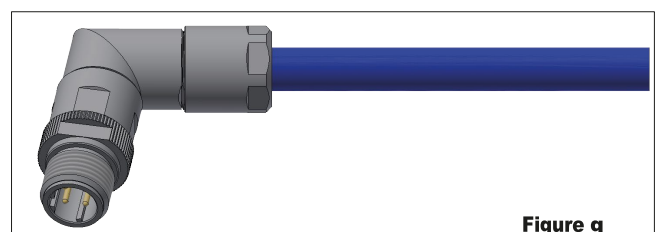
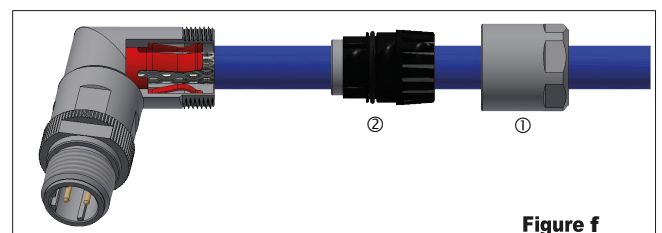
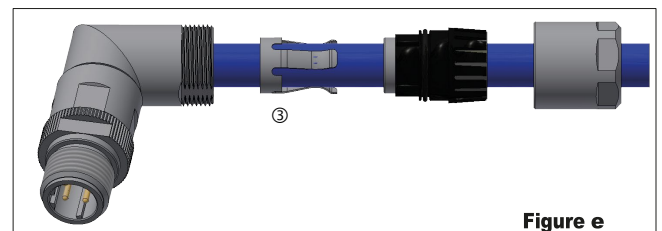
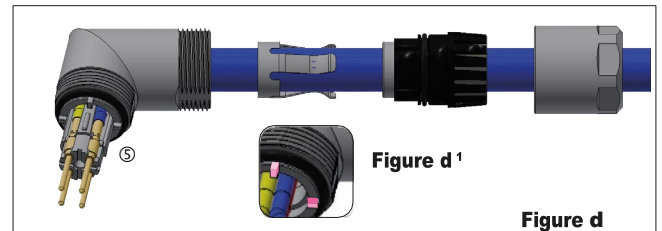
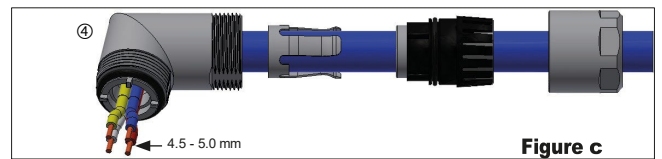
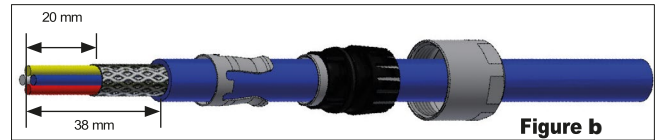
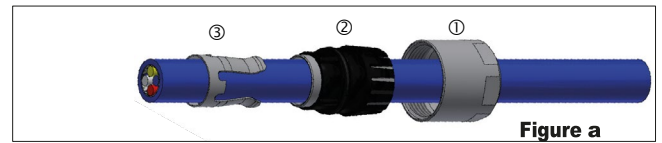
Insert the pre-assembled ethernet cable with the contact carrier in compliance with the coding check mark (notch) completely into the M12 module (5). Screw the M12 module on the adapter with a spanner (max. 2.5 mm thickness) SW14. (\*) The use of DMEWKZ P12-16 (934959001) spanner is recommended. **[Figure e]**

Slide the screen contact spring (3) on the cable shield up to the stop in the adapter. Make sure that the feet of the screen contact spring are standing firmly on the braided shield. **[Figure f]**

Fully push the cable gland (2) into the adapter, so that the feet of the screen contact spring lies under the cable gland and firmly press on the braided shield.

Close the M12-connector permanently, by using the DMEWKZ P12-16 (934959001) spanner to screw the coupling nut to the adapter (\*). **[Figure g]**

(\*) Applicable tightening torque is approx. 1.5 Nm ... 2.0 Nm (max. 3.0 Nm)



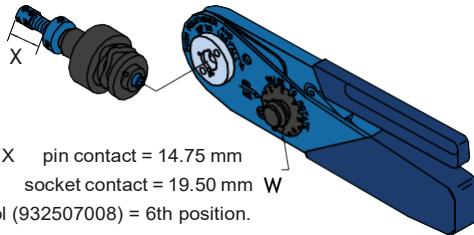
## RM12C 4-pin, D-coded, female, angled

Push the coupling nut (1), cable gland (2) and the screen contact spring (3) onto the cable. **[Figure a]**

Strip off the cable insulation sheath by 38 mm. Cut the metal shielding braid for 20 mm. **[Figure b]**

Push the 100° angle adapter over the cable. Strip the wires to a length of 4.5 mm ... 5.0 mm. **[Figure c]**

Push the contacts onto stripped wire end and crimp with adequate crimping tool. Ensure visibility of the wire through the inspection hole at contact bucket side. The use of the crimping tool (932507008) with the locator (932507009) is recommended.



Locator (932507009) value X pin contact = 14.75 mm  
socket contact = 19.50 mm W  
Selector W on Crimping tool (932507008) = 6th position.

Arrange the contacts according to the color coding as on the table shown below into the contact carrier (5) (Ethernet-standard). **[Figure d]**



### Listed products:

RM12C-FASV4AD-CAT5	935093007
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Contacts	Occupancy	PNO-PROFINET	ODVA-ETHERNET/IP
Contact 1	TD+	yellow	white-orange
Contact 2	RD+	white	white-green
Contact 3	TD-	orange	orange
Contact 4	RD-	blue	green

The cable outlet can be determined by the feet on the angle adapter. **[Figure d 1]** It is important to note that a pre-assembled plug may be turned a maximum of 60° to the left or right. Otherwise, the cable will be overtisted and in the worst case the strands will be torn out of the contacts. If more than 60° is required, it is necessary to loosen the cable gland and reposition the cable beforehand.

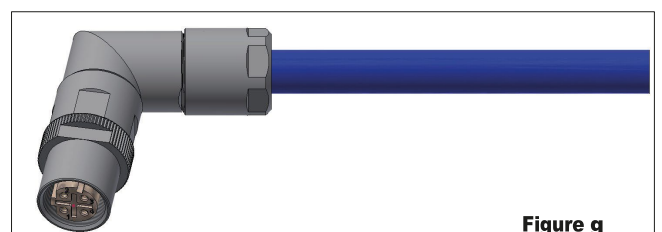
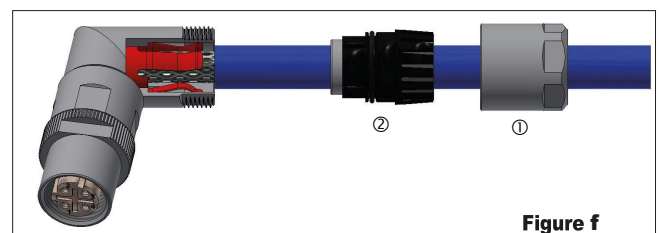
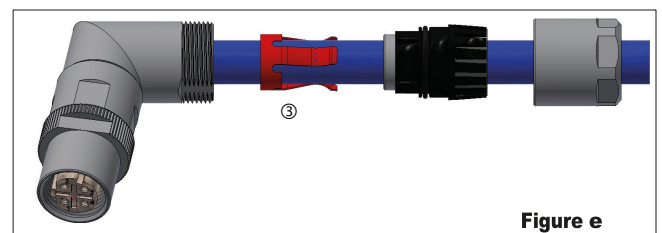
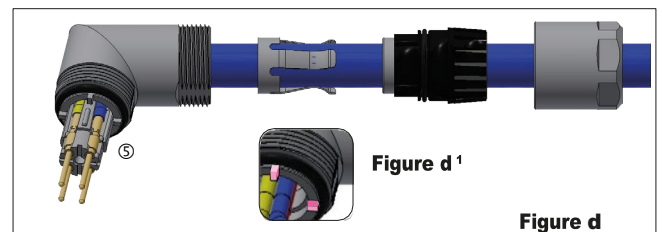
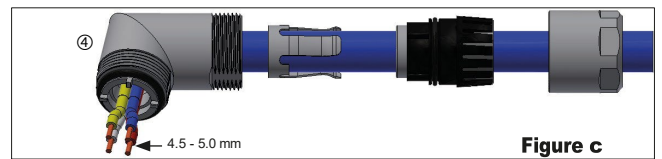
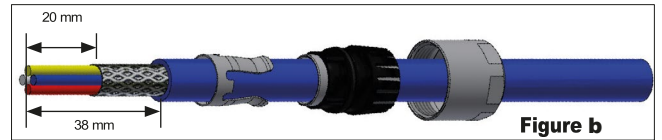
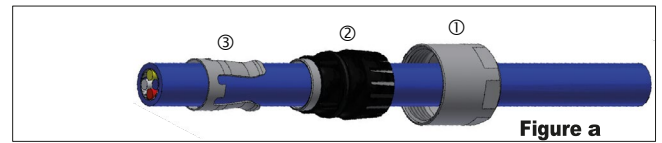
Insert the pre-assembled ethernet cable with the contact carrier in compliance with the coding check mark (notch) completely into the M12 module (5). Screw the M12 module on the adapter with a spanner (max. 2.5 mm thickness) SW14. (\*) The use of DMEWKZ P12-16 (934959001) spanner is recommended. **[Figure e]**

Slide the screen contact spring (3) on the cable shield up to the stop in the adapter. Make sure that the feet of the screen contact spring are standing firmly on the braided shield. **[Figure f]**

Fully push the cable gland (2) into the adapter, so that the feet of the screen contact spring lies under the cable gland and firmly press on the braided shield.

Close the M12-connector permanently, by using the DMEWKZ P12-16 (934959001) spanner to screw the coupling nut to the adapter (\*). **[Figure g]**

(\*) Applicable tightening torque is approx. 1.5 Nm ... 2.0 Nm (max. 3.0 Nm)



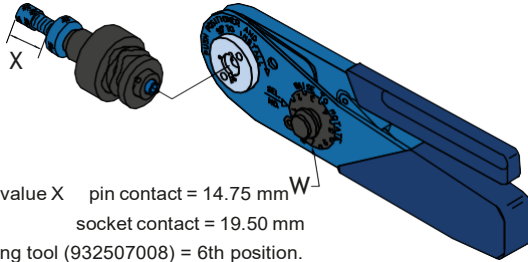
## RM12C 4-pin, D-coded, female, wall duct

Push the coupling nut (1), cable gland (2) and the screen contact spring (3) onto the cable. **[Figure a]**

Strip off the cable insulation sheath by 25 mm. Cut the metal shielding braid for 10 mm ... 15 mm. **[Figure b]**

Strip the wires to a length of 4.5 mm ... 5.0 mm. **[Figure c]**

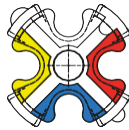
Push the contacts onto stripped wire end and crimp with adequate crimping tool. Ensure visibility of the wire through the inspection hole at contact bucket side. The use of the crimping tool (932507008) with the locator (932507009) is recommended.



Locator (932507009) value X pin contact = 14.75 mm  
socket contact = 19.50 mm  
Selector W on Crimping tool (932507008) = 6th position.

Push the adapter (4) on to the cable. **[Figure d]**

Arrange the contacts according to the color coding as on the table shown below into the contact carrier (5) (Ethernet-standard). **[Figure e]**



### Listed products:

RM12C-FSSR4D-CAT5	935093009
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Contacts	Occupancy	PNO-PROFINET	ODVA-ETHERNET/IP
Contact 1	TD+	yellow	white-orange
Contact 2	RD+	white	white-green
Contact 3	TD-	orange	orange
Contact 4	RD-	blue	green

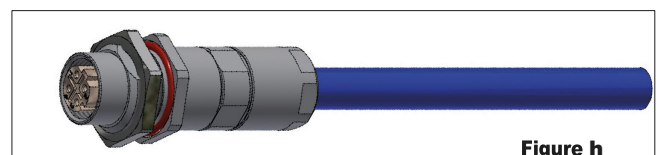
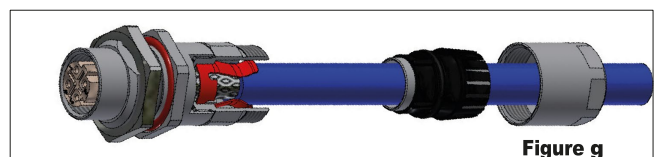
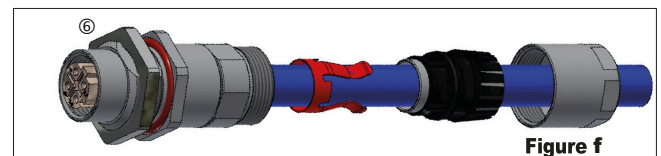
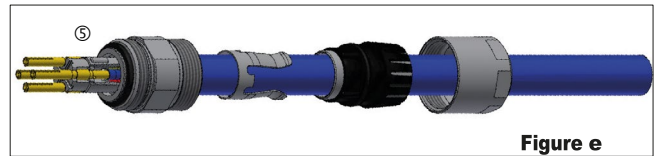
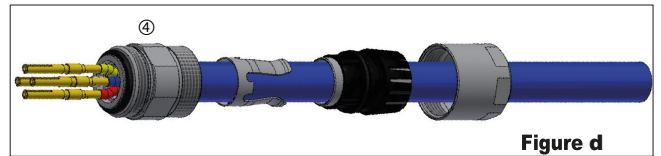
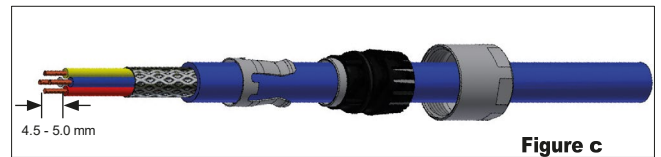
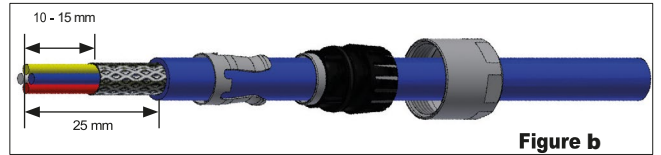
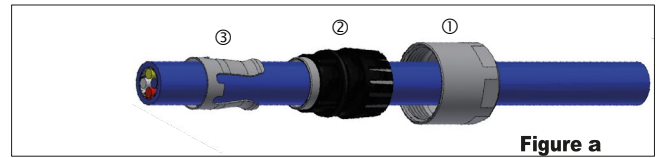
Insert the pre-assembled ethernet cable with the contact carrier in compliance with the coding check mark (notch) - fully into the M12 front module (6) and screw it on the adapter (\*). **[Figure f]**

Slide the screen contact spring on the cable shield up to the stop in the adapter. Make sure that the feet of the screen contact spring standing firmly on the braided shield. **[Figure g]**

Fully push the cable gland into the adapter, so that the feet of the screen contact spring lies under the cable gland and firmly press on the braided shield.

Close the M12-connector permanently, by using the DMEWKZ P12-16 (934959001) spanner to screw the coupling nut to the adapter (\*). **[Figure h]**

(\* ) Applicable tightening torque is approx. 1.5 Nm ... 2.0 Nm (max. 3.0 Nm)



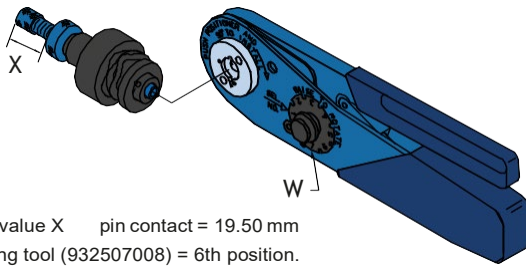
## RM12C 8-pin, X-coded, male

Push the coupling nut (1), cable gland (2) and the screen contact spring (3) onto the cable. **[Figure a]**

Strip off the cable insulation sheath by 25 mm. Cut the metal shielding braid by 10 mm ... 15 mm and aluminum foil by approx. 4 mm. **[Figure b]**

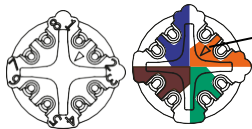
Slide the spacer sleeve (4) over the shielding braid. Strip the wires to a length of 3.0 mm ... 3.5 mm. **[Figure c]**

Push the contacts onto stripped wire end and crimp with adequate crimping tool. The use of the crimping tool (932507008) with the Locator (932507009) is recommended. **[Figure d]**



Locator (932507009) value X pin contact = 19.50 mm  
Selector W on Crimping tool (932507008) = 6th position.

Arrange the contacts according to the color coding as on the table shown below into the contact carrier (5) (Ethernet-standard). **[Figure e]**



The arrow describes the alignment of the contact carrier to the connector housing (note the marking in the connector housing)

### Listed products:

RM12C-MSSV8X-CAT6a	935092008
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Contacts	Wire color	Contacts	Wire color
Contact 1	white/orange	Contact 5	white/brown
Contact 2	orange	Contact 6	brown
Contact 3	white/green	Contact 7	white/blue
Contact 4	green	Contact 8	blue

Slide contact protection (6) over contacts **[Figure f]**

Push the shield spring (red) up to the stop under the spacer sleeve onto the cable shield. Make sure that the feet of the spring are positioned neatly on the shield braid. **[Figure g]**

Push the pre-assembled ethernet cable - observing the coding marking (groove) - together with the contact holder into the M12 module. Then push the cable gland into the M12 module. Pay attention that the feet of the screen contact spring are fixed under the cable gland and are firmly pressed onto the shield. **[Figure h]**

Close the M12-connector permanently, by using the DMEWKZ P12-16 (934959001) spanner to screw the coupling nut to the adapter (\*). **[Figure i]**

(\*). Applicable tightening torque is approx. 1.5 Nm ... 2.0 Nm (max. 3.0 Nm)

