

RFM QUADRAX INSTRUCTION MANUAL



Application

Only the following part numbers are concerned by this present document :

P/N	Body		Inner contact		
	Designation	Cable section 0.13-0.3mm ²	Cable section 0.3-0.6mm ²	Cable section 0.6-1.5mm ²	
612089	Male body (with pin)	612083	612085	612087	
612090	Female body (with sockets)	612084	612086	612088	

Tools

#16 Crimping tool/
#16 M22520/1-01



DMC UH2-5
positioner



RFM ODE Q



RFM ODE Q4

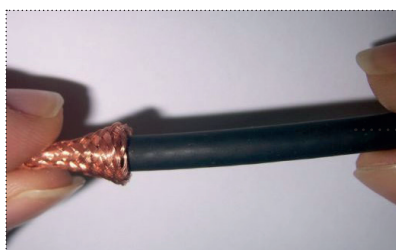


Assembly instruction

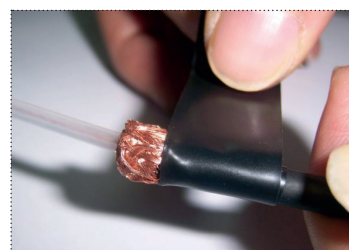
Stripping length

Cable must be stripped with a suitable tool to avoid damaging the core, insulating sheath and the braid. Strip a suitable length as shown on the picture below.

1 - Outer Braid Termination



1.1



1.2

Picture 1

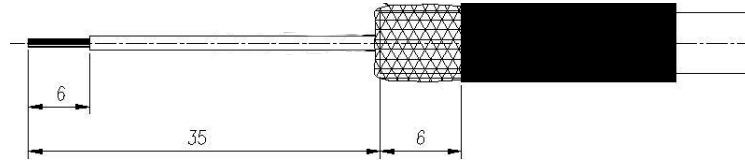
1.1 Pull the braid backwards over the cable jacket.

1.2 Use insulating tape or shrink tube to maintain it in place, leaving 7mm braid out of the insulating tape or shrink tube.

Assembly instructions

Stripping length

2 - #16 contact stripping dimensions



Picture 2

2.1

Crimp contacts

Check that cable section matches with contact size. Adjust the crimp tool according to the section of the cable. Be certain the wire is visible through inspection hole in contact.



Picture 3

3.1

Inspection hole

Adjust the locator to reach the middle of crimping area by screwing or unscrewing its wheel.

Contact insertion or extraction

1 - Contact insertion into insulator

1) Put the crimped contact into the insert cavity from behind (see arrow direction indicator). When the contact is in position in the cavity, you will hear a "click" and feel a firm stop.

2) After contact insertion, pull gently on the cable to ensure that the contact is properly locked in.

Notes:

- the contact retention force in insulator is compliant with NF F-61-030 standard, use less than 70N force to pull the cable.
- Insert the clamp around the braid, before the insertion of inner contacts into the insulator.



4.1



4.2

Picture 4

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2 - Contact extraction

1) Insert the extraction tool RFM ODE Q4 by the front face of insulator until hearing a “click”.

2) Once the tool can't go further, keep the force, and push the end of the plunger with your finger to extract the contact. Repeat the operation for each contact you would extract.

Note: if you feel a great resistance when pushing the plunger, do not force and remove the tool before trying again.

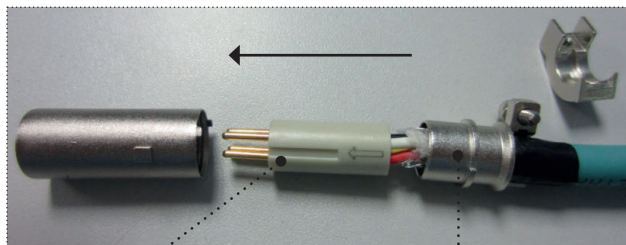


Picture 5

5.1

3 - Module insertion or extraction

1) Place components as the picture 1 below following the assembly direction arrow and adjust the position of the braid to place it at the clamp level. Use 0.7N.m max torque force to lock the cable clamp.



Insulator

6.1

Clamp



6.2

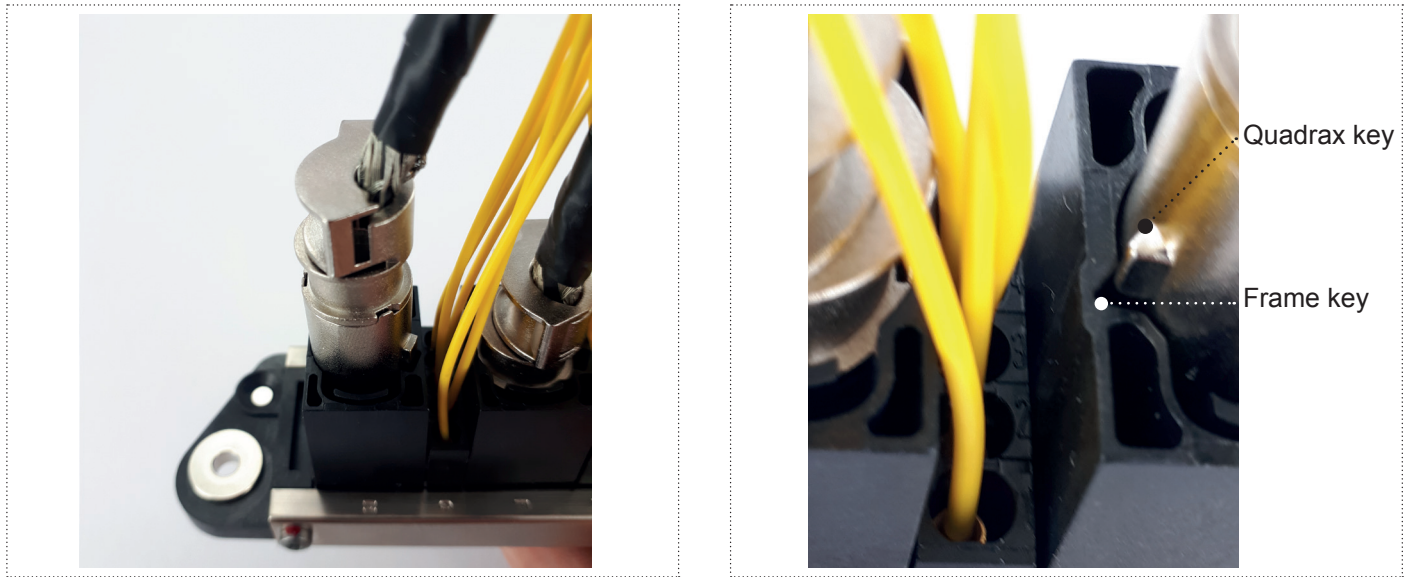


6.3

Picture 6

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2) Insert quadrax contact from the connector rear face. The frame key should match the quadrax key (triangular or rectangular).



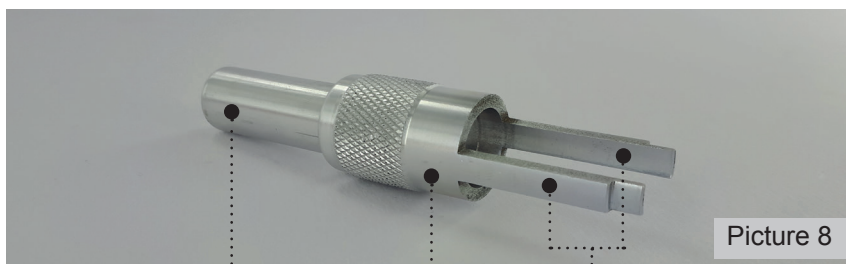
7.1

Picture 7

7.2

3) After alignment, push the quadrax contact into the frame until you feel a firm stop.

Quadrax extraction



Picture 8

Cylinder

Body

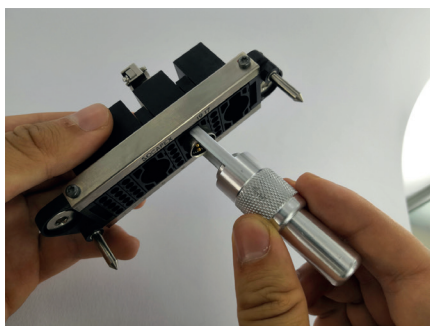
Fingers

8.1

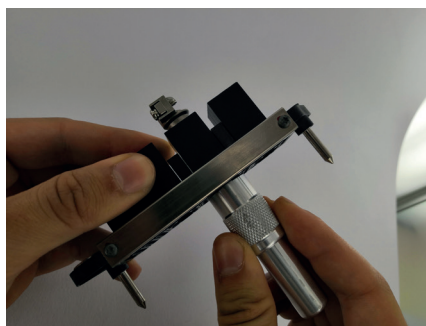
1) To remove the quadrax contact from the module of the connector, insert the RFM ODE Q two Fingers into the appropriate opening in the front face of the module.

2) Push the Body until you feel a firm stop, indicating you reach the front face of the connector.

3) By maintaining the force on the Body. Use your palm to push the end of the cylinder. The contact is released and it can be removed by hand from the rear face of the connector.



9.1



9.2



9.3

Picture 9