

# Assembly instruction for bulk connector

① Martin power DMX cable

Strip cable sheath and remove filler and screen foil

② 1 pc shrink tube  $\varnothing 2 \text{ mm} \times 7 \text{ mm}$

DMX common

Insert the shrink tube on the DMX common braid and apply heat

③ 1 pc shrink tube  $\varnothing 5 \text{ mm} \times 7 \text{ mm}$   
3 pcs shrink tube  $\varnothing 5 \text{ mm} \times 7 \text{ mm}$   
2 pcs shrink tube  $\varnothing 2 \text{ mm} \times 7 \text{ mm}$

Insert the shrink tubes on the insulated wires and the  $\varnothing 5 \times 7 \text{ mm}$  on the DMX cable to cover the exposed shield, braid and foil

④ Seal  
Clamp Ring

Insert the seal into the clamp ring

⑤

Insert the stripped cable through sealing nut and clamp ring

⑥

O-Ring  
Connector

O-Ring into the connector



⑦

**Bulk connector PD male**  
Solder wires on the cup in this order: DMX common, Data+, Data-, L, G and N

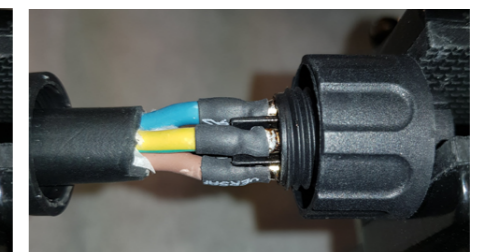
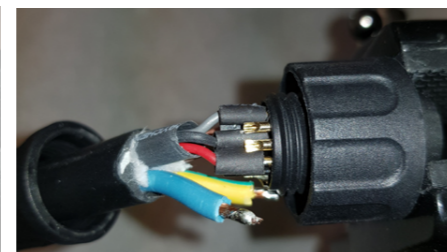
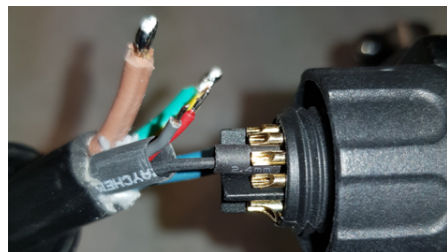
		EU	US
1	L	Brown	Black
2	G	Yellow/Green	Yellow/Green
3	N	Blue	White
4	DMX common/ Shield	Braid	Braid
5	Data+	Red	Red
6	No connection for wire	—	—
7	No connection for wire	—	—
8	Data-	Grey	Grey

**Bulk connector PD female**  
Solder wires on the cup in this order: DMX common, Data+, Data-, L, G and N

		EU	US
1	L	Brown	Black
2	G	Yellow/Green	Yellow/Green
3	N	Blue	White
4	DMX common/ Shield	Braid	Braid
5	Data+	Red	Red
6	No connection for wire	—	—
7	No connection for wire	—	—
8	Data-	Grey	Grey

⑧

Move the shrink tubes to cover the soldered area and apply heat in this order: DMX common, Data+, Data-, L, G and N



⑨

Screw the clamp ring to the connector by using the counterpart as retainer

⑩

Screw the sealing nut to the clamp ring by using the counterpart as retainer

Parts Identification

Shrink tube  
Sealing Nut  
Seal  
Clamp Ring  
O-Ring  
Connector  
O-Ring



**Part numbers:**  
**Bulk connector PD female: P/N MAR-91700017**  
**Bulk connector PD male: P/N MAR-91700018**  
**Power DMX Cable 100M Roll EU: P/N MAR-91700009**  
**Power DMX Cable 100M Roll US: P/N MAR-91700016**

**The bulk connector is only to be used with the original Martin cable.**  
**Soldering of the bulk connector must be done in a workshop by qualified personnel.**

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	General linear tolerance			TITLE ( Model in view )			
<b>ROHS</b> RESTRICTION OF HAZARDOUS SUBSTANCES ALL MATERIALS USED IN THIS PART MUST BE ROHS COMPLIANT. SUPPLIER SHALL PROVIDE A CERTIFICATE OF ROHS COMPLIANCE WITH THE FIRST ARTICLE.	General angular tolerance	Surface treatment	<b>BULK CONNECTOR</b>				
	General geometrical tolerance	Color		NO. MAR-91700017 / MAR-91700018 REV			
DIMENSIONS SHOWN ARE FOR REFERENCE AND INSPECTION ONLY. REFER TO CAD MODEL PROVIDED WITH THIS DRAWING FOR OVERALL DEFINITION OF PART GEOMETRY.	Project number	SIZE A3	SCALE 1:2	UNIT mm	DO NOT SCALE DRAWING	SHEET 1	OF 1