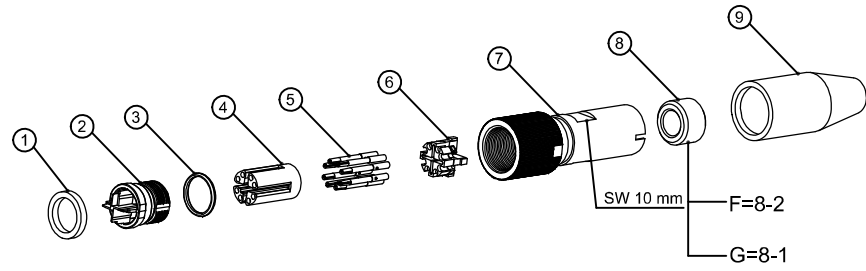


SPECIFICATION
MATERIAL
 Insulator: PA66 (6410G3/G5), rated UL94V-0
 Contacts: Brass(C3604-EH)
 Shell: Brass(C3604-EH)
 O-ring: Silicon Rubber
CONTACT PLATING
 Underplate: 50u"Min Nickel
 Contact area: 10u" Gold
 Solder tails area: 10u" Gold
ELECTRICAL
 Rated current: 0.5 Amps max.
 Rated voltage: 48V
 Contact resistance: 5 mΩ MAX.
 Insulation resistance:
 100 MΩ min @ 500 V ±15V DC
 Dielectric withstanding voltage:
 500 VAC / minute
General data
 Standard/Regulation:
 M12 connector IEC 61076-2-109
 Cable AWG : 24AWG
 Temperature range: -25°C TO +85°C
 Mating cycles: 100 insertions
 Waterproof Rate: IP67

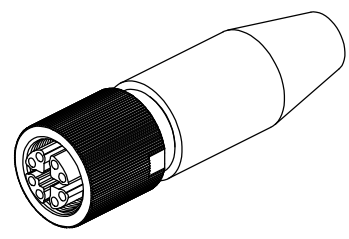
Part no.

649 K E 08 F B B D1 N X D 3
 1 2 3 4 5 6 7 8 9 10 11 12

- 1. SERIES NO.
649=Water Proof Connection
- 2. K=Epoxy Type(Crimp Pin)
- 3. GREEN OPTION:
E=RoHS (Bright)
- 4. CONTACT NUMBER:
08=8 PINS
- 5. CONTACT TYPE:
F=Female
- 6. CONTACT AREA PLATING:
B=10u" GOLD
- 7. Crimp TAILS AREA PLATING:
B=10u" GOLD
- 8. APPLY TYPE:
D1= Cable end 180°
- 9. SHELL PLATING:
N=Nickel
- 10. Special practice:
F=X-Code For OD 5.5~6.5mm(24AWG)
G=X-Code For OD 7.5~8.5 mm(24AWG)
- 11. PACKING STYLE:
D=BAG
- 12. Insulator Color:
3=Black



NO.	P/N	Parts of name	Material	Q'ty
1	M1649AERCPD1302A	Ø6.4 mm O-ring seal	Silicon rubber	1
2	M4649KE40ND1601A	M12 X-Code Female Housing Diecast	Zinc Alloy(Zamak-3)	1
3	M1649KERCPD1401A	O-ring OD10.2X0.75mm	Silicon rubber	1
4	M1649KE08FD13E1A	M12 X-Code Female Housing body	PA66(6410G3) ,rated UL94V-0	1
5	M2649KE2BBD101A	M12 X-Code Female Crimp Pin 0.65mm	Brass (C3604-EH) 50u"min Nickel Gold 10u"	8
6	M1649ME08MD13E3A	Cable Holder For OD 8.5 mm	PA66(6410G5) ,rated UL94V-0	1
7	S649KE00F00D11D3	M12 X-Code Female-Mate Shell Part	Brass (C3604-EH) 50u"min Nickel	1
8		Crimp O-Ring	Silicon rubber 60°	1
8-1	M1649AERCPD5303A	Crimp O-Ring for OD 8.5 cable	Silicon rubber 60°	
8-2	M1649AERCPD1306A	Crimp O-Ring for OD 6.2 cable	Silicon rubber 60°	
9	M1649AE04MD5301A	Rubber Boot	Silicon rubber 70°	1



UNLESS OTHERWISE SPECIFIED TOLERANCE	
ANG.	± 5°
0.	± 0.50
.0	± 0.30
.00	± 0.20

OXOC

CHANT SINCERE CO.,LTD
 TEL:866-02-86471251 FAX:866-02-86472962

SCALE: AS SHOWN	UNIT: mm	DRAWN NAME: NDR-17019 M12 X-Code Female Crimp Cable End
DRAWN RILEY	01/21/18	
CHECKED	//	
APPROVED	//	PRODUCT NO. 649KE08FBBD1NXD3
REV.	A	FILE NAME: C-649KE08FBBD1NXD3

REV.	DESCRIPTION	DATE
1		
2		
3		
4		
5		
6		