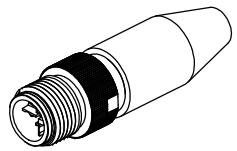


SPECIFICATION
MATERIAL
 Insulator:PA66 GF25%,rated UL94V-0
 Contacts:Brass(C3604-EH)
 Shell:Brass(C3604-EH)/Zinc Alloy
 O-ring:Silicon Rubber
CONTACT PLATING
 Underplate:50u"~100u" Nickel
 Contact area:30u" Gold
 Solder tails area:30u" Gold
ELECTRICAL
 Rated current:0.5 Amps max.
 Rated voltage:48V
 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 M D D D1 N X A 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:
M=MALE
- 6.CONTACT AREA PLATING:
D=30u" GOLD
- 7.Crimp TAILS AREA PLATING:
D=30u" 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:
A=TRAY
- 12.Insulator Color:
3=Black

NO.	P/N	Parts of name	Material	Qty
1	S4649AE32ND1F05A	Front metal shell	Zinc Alloy 50u"~100 μ" Nickel +VITON (B-70)	1
1-1	M4649AE32ND1F05A	Front metal shell	Zinc Alloy 50u"~100 μ" Nickel	1
1-2	M1349ME00F04701A	O-ring	VITON (B-70)	3
2	M1649AE08MD13E1A	Front Plastic body	PA66 GF25%,rated UL94V-0	1
3	M2649KE1DDD101A	M12 X-Code Plug Contact	Brass (C3604-EH) 30u" Gold	8
4	M1649ME08MD13E3A	Cable Holder	PA66 ,rated UL94V-0	1
5	S4649AE32ND1F04A	Male-Matel Shell Part	Brass (C3604-EH) 50u"~100u" Nickel	1
5-1	M4649AE32ND1F03A	Front metal body	Brass (C3604-EH) 50u"~100u" Nickel	1
5-2	M4649AE32ND1F06A	Middle Holder	Brass (C3604-EH) 50u"~100u" Nickel	1
6		Crimp O-Ring	Silicon rubber 60°	1
6-A	M1649AERCPD1306A	Crimp O-Ring for OD 6.2 cable	Silicon rubber 60°	
6-B	M1649AERCPD5303A	Crimp O-Ring for OD 8,5 cable	Silicon rubber 60°	
7	M1649AE04MD5301A	Rubber Boot	Silicon rubber 70°	1



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

SCALE: AS SHOWN	UNIT: mm
DRAWN Riley	01/18/2018
CHECKED	
APPROVED	

OXOC

CHANT SINCERE CO.,LTD
 TEL:886-02-86471251 FAX:886-02-86472962

DRAWN NAME: M12 X-Code Male Crimp Cable end

PRODUCT NO. 649KE08MDDD1NXA3

FILE NAME: C-649KE08MDDD1NFA3

REV.	DESCRIPTION	DATE	SIZE	REV.	FILE NAME
1			A4	B	C-649KE08MDDD1NFA3