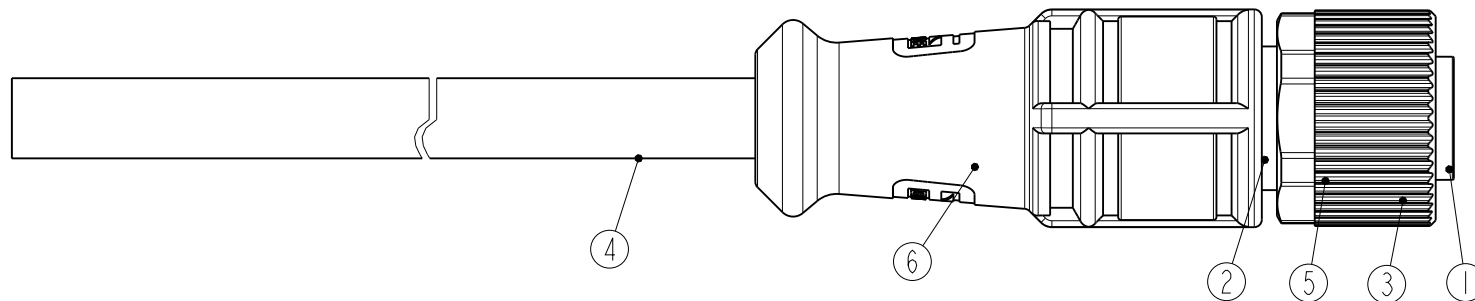
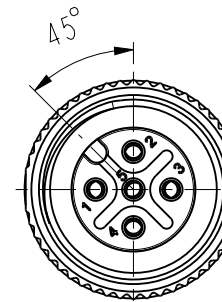
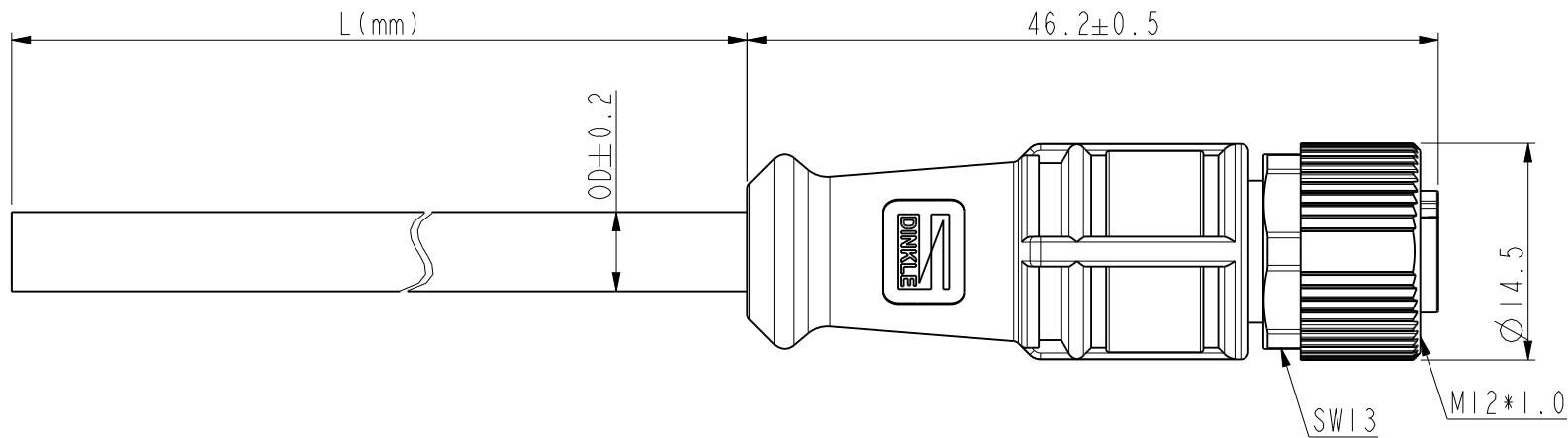


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Cable Length(L): 01M: ±40mm
01M~05M: ±60mm
06M~10M: ±100mm
11M~30M: ±200mm
31M~99M: ±300mm

Part No.	Cable Jacket	Cable OD
202-A3000-20SXXX	PVC Jacket	4.5mm
202-A4000-20SXXX		4.8mm
202-A5000-20SXXX		5.3mm
202-A8000-20SXXX		5.4mm
202-AC000-20SXXX		6.0mm
202-A3000-00SXXX	PUR Jacket	4.2mm
202-A4000-00SXXX		4.2mm
202-A5000-00SXXX		5.3mm
202-A8000-00SXXX		4.6mm
202-AC000-00SXXX		6.0mm

Total Pitch Tolerances		Normal dimension Tolerances	
0~30	±0.20	0~30	±0.25
over 30~53	±0.25	over 30~53	±0.30
over 53~70	±0.30	over 53~70	±0.35
over 70~90	±0.35	over 70~90	±0.44
over 90~115	±0.44	over 90~115	±0.55
over 115~150	±0.55	over 115~150	±0.70
over 150~200	±0.70	over 150~200	±0.85
over 200~250	±0.85	over 200~250	±1.00
over 250~320	±1.00	over 250~320	±1.20

202 - A X 000 - X 0S XXX
A CODE
PIN NO.
3:3P, 4:4P
5:5P, 8:8P
C:12P
Cable Length
LXX:01~99cm
XXX:1~99.9m
Cable Jacket
0:PUR Jacket
2:PVC Jacket

6	OUTER MOLDING	PUR	UL94-HB BLACK
5	SEAL RING	NBR	GREEN
4	CABLE	PVC or PUR	BLACK
3	FEMALE NUT	Zn Alloy	M12/ Ni PLATED
2	SOLDER PIN	COPPER ALLOY	Au Plated
1	FEMALE HOUSING	PUR	BLACK
ITEM	NAME OF PART	MATERIAL	NOTES

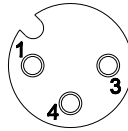
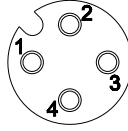
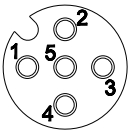
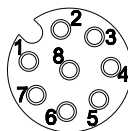
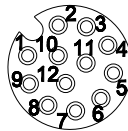
DRW.	Cary Liu	DATE	2020-09-02	GENERAL TOLERANCE	
CHK.	Xavier.Zhang	DATE	2020-09-02	SPECIFICATION FILE	SF-202-AX000-X0S-001
APP.	Clark.Deng	DATE	2020-09-02	DRAWING TYPE	SP-03

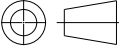
PART NO.	202-AX000-X0SXXX				
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VI	3						DINKLE ENTERPRISE CO., LTD.	UNITS	mm	THIRD ANGLE PROJECTION	
REV.		CONTENT	DRW.	DATE				SCALE	2:1	SHEET/OF	1/2

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Total Pitch Tolerances		Normal dimension Tolerances	
0~30	±0.20	0~30	±0.25
over 30~53	±0.25	over 30~53	±0.30
over 53~70	±0.30	over 53~70	±0.35
over 70~90	±0.35	over 70~90	±0.44
over 90~115	±0.44	over 90~115	±0.55
over 115~150	±0.55	over 115~150	±0.70
over 150~200	±0.70	over 150~200	±0.85
over 200~250	±0.85	over 200~250	±1.00
over 250~320	±1.00	over 250~320	±1.20

Pin Out										12	Red/Blue	红/蓝			
										11	Gray/Pink	灰/粉			
										10	Violet	紫			
										9	Red	红			
							8	Red	红	8	Gray	灰			
							7	Blue	蓝	7	Black	黑			
							6	Pink	粉	6	Yellow	黄			
	5	--	5	--	5	Gray	灰	5	Gray	灰	5	Pink	粉		
	4	Black	黑	4	Black	黑	4	Black	黑	4	Yellow	黄	4	Green	绿
	3	Blue	蓝	3	Blue	蓝	3	Blue	蓝	3	Green	绿	3	White	白
	2	--	2	White	白	2	White	白	2	Brown	棕	2	Blue	蓝	
	1	Brown	棕	1	Brown	棕	1	Brown	棕	1	White	白	1	Brown	棕
Pin Arrangement															
	3P		4P		5P		8P		12P						
	A Code														

DRW.	Cary Liu	DATE	2020-09-02	GENERAL TOLERANCE			
CHK.	Xavier.Zhang	DATE	2020-09-02	SPECIFICATION FILE	SF-202-AX000-X0S-001		
APP.	Clark.Deng	DATE	2020-09-02	DRAWING TYPE	SP-03		
PART NO.	202-AX000-X0SXXX						
 DINKLE ENTERPRISE CO., LTD.				UNITS	mm	THIRD ANGLE PROJECTION	
				SCALE	3:1	SHEET/OF	2/2

VI	3				
REV.		CONTENT	DRW.	DATE	

202-AX000-X0SXXX

规格书编号/Specification File No.: SF-202-AX000-X0S-001

版本/Version: A2

一般資訊 / General Information

产品叙述/description	传感器/执行器电缆 · M12 单颗 180 度母头 Sensor/Actuator cable, M12 Straight Socket, Free cable end
设计标准/Standard	M12 Connector IEC 61076-2-101
防插错编码/Code	A
位数/ Pin	3/4/5/8/12P
操作温度/ Operating Temperature	-25°C~+80°C (Cable, Flexible Installation)
	-40°C~+80°C (Cable, Fixed Installation)
防护等级/ Degree of protection	IP67
屏蔽效果/Shield	No

通用参数/ General Data

额定电流 (3/4/5P) / Current (3/4/5P) (A)	4
额定电流 (8P)/ Current (8P) (A)	2
额定电流 (12P)/ Current (12P) (A)	1.5
额定电压 (3/4P) / Rated Voltage (3/4P) (V AC/DC)	250
额定电压 (5P) / Rated Voltage (5P) (V AC/DC)	60
额定电压 (8/12P) / Rated Voltage (8/12P) (V AC/DC)	30
额定冲击电压 (3/4P) / Rated Impulse Voltage(3/4P) (kV)	2.5
额定冲击电压 (5P) / Rated Impulse Voltage(5P) (kV)	1.5
额定冲击电压 (8/12P)/ Rated Impulse Voltage (8/12P)(kV)	0.8
过电压等级/Overvoltage Category	II
污染等级/Pollution Degree	3
插拔周期/Insertion/withdrawal cycles	≥100
对锁扭矩/Mated Torque (N·m)	0.4

202-AX000-X0SXXX

 规格书编号/Specification File No.: **SF-202-AX000-X0S-001**

版本/Version : A2

材料信息/ *Material Information*

绝缘材料/ Insulating material	PUR
阻燃等级,符合 UL94 / UL94 Flammability rating	HB
绝缘阻抗(MΩ)/ Insulation resistance(MΩ)	≥100
导体材料/ Conductor material	COPPER ALLOY
导体表面镀层/Plating of conductor surface	Au PLATED
外模材料/Material of out molding	PUR
螺母材料/ Screw Nut Material	ZINC DIE-CAST, Ni PLATED
密封圈材料/Sealing Material	NBR

电缆信息/ *Cable Information*

电缆外被/Cable Jacket	PUR/PVC · BLACK
导线材料/ Conductor material	TINNED COPPER
电缆 UL 形式/ UL AWM style	UL20549/UL2464
导线标称电压/ Wire rated voltage	300 V
耐电压/Dielectric strength	2.0KV/1min
导线横截面积(3/4/5P) / Conductor cross section(3/4/5P)(mm ²)	0.34
导线横截面积(8P) / Conductor cross section(8P)(mm ²)	0.25
导线横截面积(12P) / Conductor cross section(12P)(mm ²)	0.14
导线线径 (3/4/5P) /Wire Gauge (3/4/5P)(AWG)	22
导线线径 (8P) /Wire Gauge (8P)(AWG)	24
导线线径 (12P) /Wire Gauge (12P)(AWG)	26
导线颜色/ Wire colors	Refer to Drawing Description
导线绝缘材料/Material conductor insulation	PE/PVC
电缆长度/ Cable Length	According to customer requirement to provided Cable length
阻燃/Flame resistance	FT-2 / VW-1

产品认证/许可/ *Approvals*

202-AX000-X0SXXX

规格书编号/Specification File No.: SF-202-AX000-X0S-001

版本/Version : A2



注意事项/Notes

要达到规定的电气和机械参数，必须保证连接器接插件组已正确锁定并安装好。如果连接器未锁定或有被污染的危险，则必须使用保护等级> IP54 的防护盖将其密封。还需考虑因绞线、电缆或 PCB 组件造成的影响。

To satisfy the specified electrical and mechanical data, the connectors must be locked and mounted properly.

If the connector is not locked and there is a risk of contamination, it must be sealed with a protective cap where the degree of protection is above IP54. The influences from wires, cables or PCB assembly must be taken into consideration.