



Notes:
 Detailed Product Description:
 Waterproof connector rating is IP67.
 Outer Jacket material : PVC
 They can not be used permanently under water.
 Waterproof SR Molding rating from custom requirements.

Connector Electrical Character:
 Rating Voltage: 30V.
 Rating Current: 2A.
 Insulation Resistance: >100 MΩ.
 Contact Resistance of Connector: ≤5 mΩ.
 Mechanical Characteristics: mating/cycle >100 cycle.
 Operating Temperature: -25°C ~ +85°C.

Testing Conditions:
 1. Voltage: 300V DC/0.1S.
 2. Insulation Resistance: 10 MΩ Min.
 3. Conductive Resistance: 5 Ω Max.
 4. 100% Open and Short Electrical Test.

WIRE LIST

P1	COLOR	P2
1	BROWN	TIN
2	BLUE	
3	WHITE	
4	GREEN	
5	PINK	
6	YELLOW	
7	BLACK	
8	GRAY	
9	RED	
10	PURPLE	
11	ORANGE	
12	LIGHT BLUE	

② Order Code:
A-M12A12FST-xxx16BK

L:
 050: 500mm ±15mm
 100: 1000mm ±15mm
 200: 2000mm ±20mm
 300: 3000mm ±30mm
 500: 5000mm ±50mm

⑧	BLACK GLUE A/B (ETHOXYLINE RESIN)	2	g
⑦	O-RING GREEN FKM Ø7.0*Ø1.5mm	1	PCS
⑥	O-RING GREEN FKM Ø13.0*Ø2.0mm	1	PCS
⑤	PG9 BRASS PLATED NI L*W=2.8*18mm	1	PCS
④	M12 BRASS WITH NI PLATED, FRONT MOUNT PG9 L=21.0mm	1	PCS
③	M12 A TYPE GOLD-PLATED FEMALE TERMINAL	12	PCS
②	M12 A CODING 12PIN FEMALE BLACK NYLON PLASTIC CORE	1	PCS
①	UL 1007 24AWG HOOK UP WIRE	1	PCS
ITEM	SPECIFICATION	QTY	UNIT

RoHS compliant
 Unit: mm

Scale	Free					Date	Name	Customer-No.
TOLERANCE						Drawn	21.11.2018	Segal
.X	±0.5					Approved	31.05.2023	Winnie
.XX	±0.20							
		②	Update the order code	31.05.2023	Winnie			
		①	Add new part for 500mm length	25.06.2021	Luca			
		①	Drawn	21.11.2018	Segal			
DIM	TOL	Id.	Modification	Date	Name			
X.°	±2.0°							
.X°	±1.0°							
Angle	TOL					Replace		Sheet

ASSMANN WSW-No. ② A-M12A12FST-xxx16BK	
Drawing-No. ASS 8420 CA	rev02
Replace	Sheet

