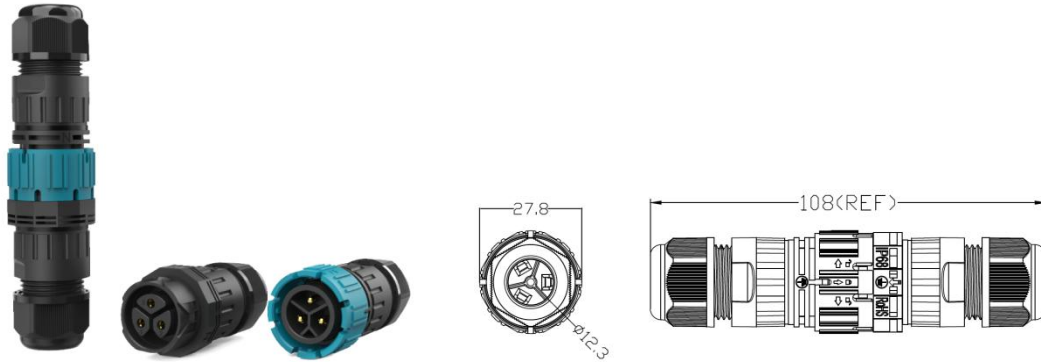


## 1、Picture and cable range

This specification suitable for EW-P20-MF series IP68 waterproof connector



Seal ring				
Cable range (mm)	5-9mm	9-12mm	2*3-4.5mm	3*3-4.3mm
Part number	WX-G005	WX-G020	WX-G033	WX-G032
Stripping length	10-12mm			

## 2、Product Types、 Number、 Models

Product Type	Item Number	Product Models
IP68 waterproof connector	EW-P20-MF	EW-P20-MF-2P 2Poles
		EW-P20-MF-3P 3Poles

## 3、Product Parts Introduction

Product Parts	Material	Color
P20 locking nut	High performance engineering plastics	black
P20 housing	High performance engineering plastics	black

Products specification

P20 Male / female body	High performance engineering plastics	black
P20 plastic cap	High performance engineering plastics	blue
P20 connector	High performance engineering plastics	blue
P20 Male / female copper needle	Copper, stainless steel	nickel plating/golden plating
P20 Wrench	High performance engineering plastics	red、yellow、blue
P20 silicone seal ring	silicone / Nitrile rubber	black
P20 gasket	silicone / Nitrile rubber	black
P20 Seal circle	silicone / Nitrile rubber	green

#### 4、Product Performance Parameter

Certification	<input type="checkbox"/> TUV <input type="checkbox"/> SAA <input type="checkbox"/> UL <input checked="" type="checkbox"/> ROHS <input checked="" type="checkbox"/> CE
Wire Section	0.5mm <sup>2</sup> -2.5mm <sup>2</sup>
Voltage	450V

Product specification

Current	16A
Operating Rating	-40~105°C

## 5、Product Reliability Test

Projects		Test clause	Requirement
5.1	IP test	IPX8 Max. Underwater depth: 4m Duration of the test: 120H	Without watering
5.2	Insulation resistance	Test part: the connected conductors and the external surface is adequate for all the combinations of conductors Test voltage: DC500±50V	≥100MΩ
5.3	sElectric trength test	Test part: the connected conductors and the external surface is adequate for all the combinations of conductors Test voltage: 2500V	No breakdown or flashover
5.4	Mechanical strength	Tumbling barrel(for <50g):25cm, 50 falls; Impact test (for 50g):10 blows	No damage or leakage
5.5	Pull test	tUse Ø5mm-Ø12mm cable, 3.5Nm ightening the closing nut, 50N pull 1Min	Displacement within 2mm
5.6	Resistance to ageing	Connect the connector with the conductors, under 85°C±2°C enviroment, test 168 h, then put on room temperate 1~2 h	No obvious blister, deformation, melting and other defects on the plastic surface.
5.7	Temperatur e rise	Wire section: 2.5mm <sup>2</sup> ; Test current: 16A	Temperature rise≤30°

Productspecification

5.8	Salt spraytest	Using 5 ± 1% saline, test temperature was 35 ° C ± 2 ° C. After the test time was 12 h, it was rinsed with water at room temperature and then dried.	The appearance of the product does not have any defects such as peeling and corrosion.
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