

Waterproof RJ45 Coupler

M220

Overview

VCELINK RJ45 waterproof coupler is Cat6 performance compliant, ensuring high-speed transmission rates of 1 Gbps with a bandwidth of up to 250 Mhz. It is suitable for cables with an outside diameter of 5.00 mm to 6.5 mm (0.20 in. to 0.26 in.). It features tool-less plug-and-play installation for rapid network expansion. Certified to IP68 standards, the enclosure provides complete protection against dust and water. Its impact-resistant PA66+PA6+30%GF reinforced construction, along with integrated silicone seals, ensures the cable's security. Ensures continuous and reliable operation in harsh weather and demanding environments, making it ideal for outdoor connectivity.



Benefits

IP68 Rating: Excellent dust and water resistance against environmental factors such as dust, rain, and corrosion. Ideal for outdoor network connectivity.

CAT6 Performance: This outdoor Ethernet coupler connects two shorter Cat6, Cat5e, or Cat5 LAN cables into one longer cable, supporting gigabit speeds of up to 1000 Mbps.

Stable Transmission: Brass shielding minimizes signal interference, and gold-plated contacts ensure stable, lossless data transmission.

Tool-Free Installation: Easily connects and disconnects in seconds. It is ideal for outdoor security cameras, street lights, LED displays, and similar applications.

Rugged Construction: The housing features an impact-resistant PA66+PA6+30%GF reinforced construction and is sealed with waterproof silicone gaskets to secure the cable, ensuring reliable operation in harsh environments.

Technical Specification

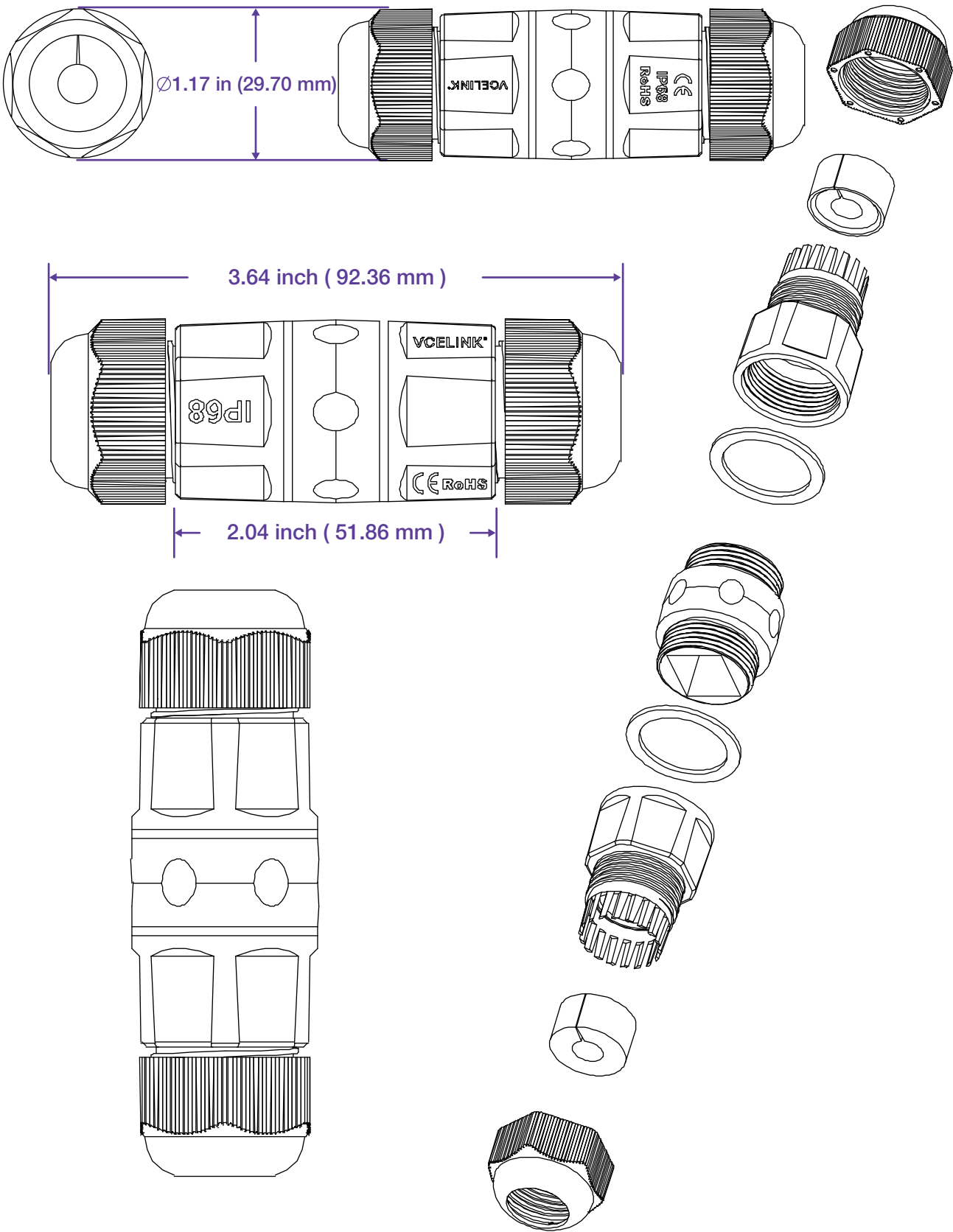
Parameter	Value
Product Type	Waterproof RJ45 Coupler
Color	Black
Components	1. Waterproof Nuts 2. Sealing Rubber Ring 3. Waterproof Shell 4. Shielded RJ45 Coupler 5. Waterproof Gasket
Housing Material	PA66+PA6+30%GF
Shielded Material	Brass
Pins Material	Phosphor Bronze Gold-plated
Waterproof Gasket Material	Silicon
Sealing Rubber Ring Material	Silicon
Size	L: 3.64 inch (92.36 mm) Φ: 1.17 inch (29.70 mm)
Net Weight	0.108 lbs (49 g)
Applicable Cable Diameter	0.2 inch - 0.26 inch (5 mm - 6.5 mm)
Product Performance	Waterproof, Shielded
Data Rate Support	1000 Mbps
Bandwidth	250 Mhz
Waterproof Rating	IP68
Voltage Rating	125 VAC RMS
Current Rating	1.5 AMP
Contact Resistance	$\leq 100 \text{ m}\Omega$
Insulation Resistance	$\geq 1000 \text{ M}\Omega @ 500 \text{ VDC}$
Dielectric Strength	750 VAC RMS 60Hz, 1min
Implementation Standards	TIA/EIA 568 B.2-1
Wiring Type	T568A/T568B
Storage Temperature Range	-40 °F-176 °F(-40 °C-80 °C)
Operating Temperature Range	32 °F-158 °F(0 °C-70 °C)

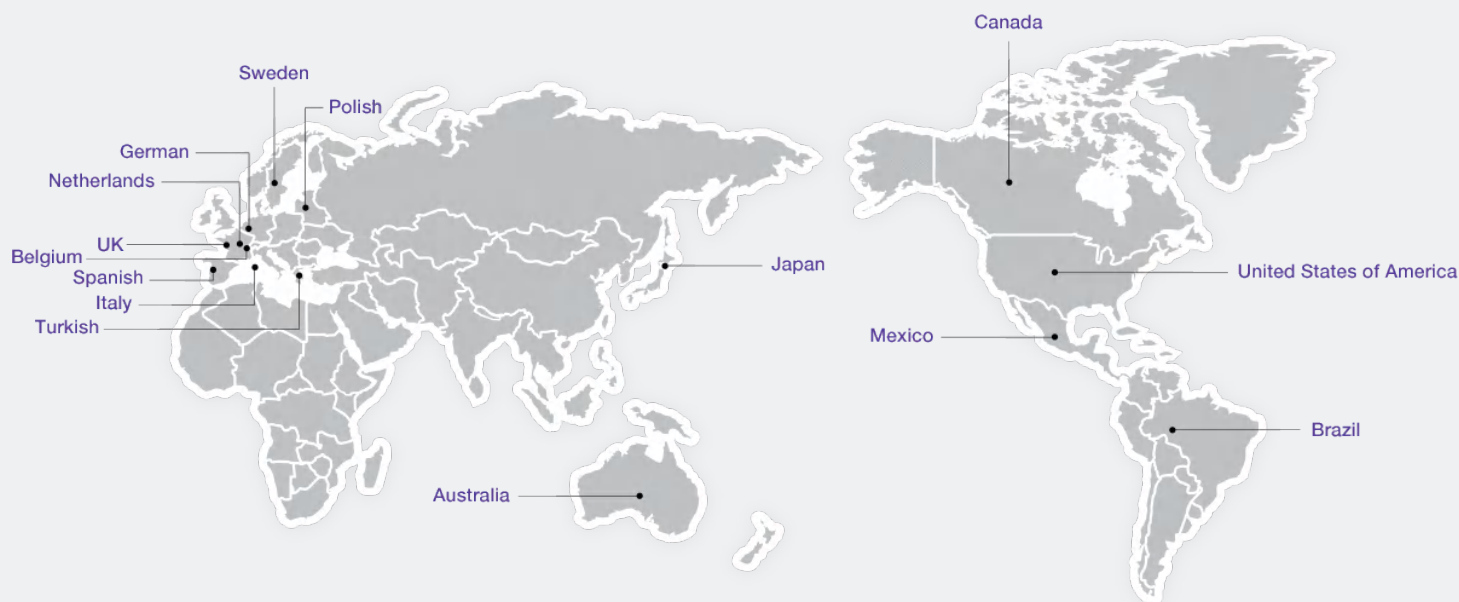
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Parameter	Value
Plug Compatibility	Mates with modular plug conforming to FCC PART68
Maintenance and Cleaning	<p>Quarterly Inspection: Check silicone seals for cracks or deformation. Verify that the housing screws are tightened according to the specified torque. Use a soft brush to remove debris from the sealing surface.</p> <p>Caution: The IP68 rating does not guarantee absolute waterproofness. Its effectiveness depends on the compatibility of the material with the environment, the design of the construction, the applicable usage scenarios, and regular inspection and maintenance.</p> <p>Construction: Replace the seal every 12 months or as soon as visible signs of wear appear.</p>

Technical Specification

Unit	in/mm
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 <https://www.vcelink.com>

CompanyProfile

HANGZHOU HONGJIE ELECTRONICS CO., LTD, established in 2006, is headquartered in Hangzhou, China. Under its brand "VCELINK," the company specializes in the production and sale of high-quality network accessories, network cables, optical cables, patch cords, audio-video accessories, as well as various types of tools. These products are primarily used in the fields of structured cabling, computers, and the electronics industry. VCELINK offers personalized customization services to its customers, and in addition to online direct purchases, users can also choose bulk procurement or customized services, all aimed at meeting the unique needs of various customers.

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