

# IP67 Vs. IP68

**IP Ratings:** (Ingress Protection or International Protection) - The Ingress Protection rating system is a classification system showing the degrees of protection from solid objects and liquids. Waterproof connectors can be classified into different kinds of grades. The ratings indicate the level of protection provided against dust intrusions, accidental contact with dust, and water by mechanical casings and electrical enclosures. The two principal grade classifications for waterproof connectors are IP67 and IP68.

**IP67** connectors are very popular and are the main type of waterproof connector in the industry. These connectors are of high quality and high waterproof grade and provide long-term durability under difficult climatic conditions. The IP67 rating means the connectors are protected from dust and capable of withstanding water immersion between 15 cm and 1 meter for 30 minutes.

**IP68** connectors can be regarded as the highest quality waterproof connector. According to the waterproof connector sealing performance criteria, the IP68 rating means it can completely prevent dust entering and can continuously withstand water immersion.

IP Number	First Digit - SOLIDS	Second Digit - LIQUIDS
IP67	Protected from total dust ingress	Protected from immersion between 15 centimeters and 1 meter in depth
IP68	Protected from total dust ingress	Protected from long term immersion up to a specified pressure