



Xmultiple X-Sealant Connectors

Environmental Coated RJ Connectors Designed for Harsh Environments

RJ Style Connector contact pins material is made of phosphors bronze by most connector manufacturers. The phosphors bronze material remains the principal material for use of RJ connectors in computers, networking devices and for other electronic products for the industries in the communications, automobiles, appliances, and industrial machinery equipment marketplaces. Because of phosphor bronze metals vulnerability to attack by aggressive chemical environments or even from simple atmospheric oxidation, metal coating is necessary to provide various degrees of protection. Xmultiple has developed a chemical coating sealant which is applied to the contact pins and to the metal shielding material if the RJ connector is of the shielded variety. The metal shielding of the RJ connectors is made of copper alloy and tin plating. The Xmultiple chemical coating sealant is applied in a hot-dipped process to evenly providing a tough chemical coating to protect the contact pins and shielding. In general, corrosive environments contain more than one active material, and the coating must resist penetration by a combination of oxidizers, solvents, or both. The Xmultiple sealant connectors are only a deterrent to the environment conditions and cannot guarantee protection from all these conditions over a long period of time. Xmultiple warrants testing must be done by each user to determine if our sealant will work in your specific conditions.

Integrity of the Xmultiple Sealant Coating in Use

Physical integrity of the Xmultiple chemical coating sealant is an excellent chemical barrier for harsh properties in most applications. For instance, metal chemical coatings are impellers which used in cold and warm conditions and provide good protection from outdoor connections of the connector contact pins. The chemical coating sealant is made to protect from specific environments, including thermal conditions.

Sealant Metal Coating Properties

One of the most common and inexpensive protection methods for metal is provided by metal coating with chemical sealant properties. The sealant coating is produced by hot-dipping techniques. The Xmultiple **chemical sealant works as a barrier metal coating and as a sacrificial metal coating to prevent oxidation. If the chemical coating sealant is scratched or penetrated, it continues to provide protection by its** penetrating action until the chemical sealant layer is depleted. This sacrificial action also prevents corrosion around pitted contact pin holes and rough edges.

Xmultiple Patent Pending Protection

The Xmultiple patent pending filing for the environment chemical sealant describes the metal coatings more accurately as conversion coatings, because it produces a protective layer or film on the metal surface by means of a chemical reaction. The chemical coating is applied without changing the part dimensions. Because we must protect his patent filing, Xmultiple is unable to disclose the ingredients

used in the chemical coating sealant. Therefore, users of the Xmultiple sealant coating must test the coating in their laboratories or place the units in harsh environments to see if our sealant will work for your requirement.

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