

Application Note

Water Immersion and Data Cables

Twisted pair 'Category' data cables are intended for internal LAN environments and are not designed for immersion for any length of period in water or liquids in any form or as high humidity. When moisture enters the cable construction, within the sheath of a 4 pair unit, detrimental effects on the short term and long-term electrical properties of the cable may occur causing the cable to fail the relevant Category performance criteria as detailed in ISO/IEC 11801.

Therefore, at no time should the cable construction be installed in areas where water ingress is a likely event.

For the same reasons physical damage or stress beyond the prescribed installation parameters is also likely to impact the cable performance and/or the cable lifetime.

If Aginode data cables are accidentally exposed to water or other liquids such as paints or solvents, or physically damaged by other means such as crushing or excessive stress then the cable should be removed and replaced by new undamaged product.