

Water Resistant Cables: References for types and classifications

AD1 PROTECTION: Negligible

The probability of water is negligible



Location in which the walls do not generally show traces of water, but can appear in small periods, for example, in the form of steam and where good ventilation dries quickly.

Wiring Regs Location reference: IPX0

AD2 PROTECTION: Drops

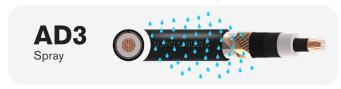
Possibility of vertical drops of water falling



Location in which water vapour occasionally condenses as water drops or when steam may occasionally be present. Wiring Regs Location reference: IPX1 or IPX2

AD3 PROTECTION: Spray

Possibility of water droplets falling at an angle of more than 60° to the vertical



Location in which sprayed water appears as a continuous film on the walls and/or floors.
Wiring Regs Location reference: IPX3

AD4 PROTECTION: Splashes

Possibility of splashes from any direction



Location where the equipment may be subject to splashed water; applies to certain luminaires and construction site equipment.

Wiring Regs Location reference: IPX4

AD5 PROTECTION: Jets

Possibility of water jets in any direction



Locations where hose water is regularly used such as car washes and patios.

Wiring Regs Location reference: IPX5

AD6 PROTECTION: Waves

Possibility of water waves



Seashore locations such as piers, beaches and quays Wiring Regs Location reference: IPX6

AD7 PROTECTION: Immersion

Possibility of intermittent, partial or total flooding by water



Locations susceptible to flooding and/or equipment is immersed. The water can reach up to 150mm above the highest point of the equipment, with the lowest part not more than one metre below the surface of the water.

Wiring Regs Location reference: IPX7

AD8 PROTECTION: Submersion

Possibility of permanent and total water flooding



Locations such as swimming pools where the electrical equipment is permanently totally covered with water. Wiring Regs Location reference: IPX8