

## 10 CU PVC 0.75kV 6491X H07V-R BLK

6491X. PVC Conduit Wire. BS 6004. 450/750 V



Prysmian 6491X is a single core, low voltage wiring cable designed for installation within conduit, trunking or inside fixed protected environments

### KEY APPLICATIONS

Installation in surface mounted or embedded conduits, or similar closed systems and for fixed protected installation in or on lighting fittings and inside appliances, switch gear and control gear.

Green/Yellow for use as earth can be installed without mechanical protection.

### FEATURES AND BENEFITS

- Manufactured under ISO 9001 Quality management systems

### STANDARDS



BS EN 50525-2-31

BS EN 60332-1-2

Construction Standard

Flame Propagation - Single Cable

### CONSTRUCTION

Conductor material

Copper

Conductor surface

Bare

Core insulation material

Polyvinyl chloride (PVC)

## APPLICATIONS PROPERTIES

|                                    |                                    |
|------------------------------------|------------------------------------|
| Nominal voltage U0 [V]             | 450                                |
| Nominal voltage U [V]              | 750                                |
| Flame retardant                    | In accordance with BS EN 60332-1-2 |
| Max. conductor temperature [°C]    | 70                                 |
| Min. Operation temperature [°C]    | -15                                |
| Min. Installation temperature [°C] | 0                                  |
| Max. Installation temperature [°C] | 60                                 |
| Bending radius (rule)              | 6D                                 |

## COLOURS

A range of insulation colours are available, including green/yellow

## CURRENT RATINGS

Refer to table 4D1 of BS 7671 Requirements for Electrical Installations. IET Wiring Regulations

## TECHNICAL DATA

|                                                    |                    |
|----------------------------------------------------|--------------------|
| Nominal cross section conductor [mm <sup>2</sup> ] | 10                 |
| Conductor category                                 | Class 2 = stranded |
| Nominal thickness insulation [mm]                  | 1                  |
| Nominal outer diameter [mm]                        | 6.3                |
| Cable weight [kg/km]                               | 120                |
| Conductor resistance at 20° C [Ohm/km]             | 1.83               |

\*The embodied carbon figure is taken from a single product in the range, for more information on how we calculate our embodied carbon figure visit here: <https://uk.prysmiangroup.com/embodied-carbon>