PRY EV

EV Charge point power and data cable



PRY EV has been designed and manufactured by Prysmian Group to connect a fixed Electric Vehicle charge point into a distribution board or domestic consumer unit. The hybrid design features a complete four pair screened data cable and three copper power cores all within the same outer sheath. Available in armoured and non armoured versions.

KEY APPLICATIONS

Cable design incorporates **power cores and a data cable**.

Offers power and data/signal connections to a EV Charge point.

Data cores are **rated at the same voltage** as the power cores.

Complete data cable with short-lay, twisted cores and is screened and sheathed.

FEATURES AND BENEFITS

- Power and data in a single cable.
- Data cable can be used to provide data connectivity or signal for current monitoring (Current Transformer).
- Single cable means a single reel, one set of fixings, less drilling, less packaging and waste.
- Enables a faster, simpler and more discreet installation.
- Secure and reliable hard wired connection avoids Wi-Fi risks and improves the EV Smart Charger performance.
- Prysmian Group F/UTP data cable offers future-proofed solution for technological upgrades.

ADDITIONAL TECHNICAL SUPPORT

- FAQ's- uk.prysmian.com/technical-area/faqs
- Technical email - tech.info@prysmian.com
- Live Chat - uk.prysmian.com/technical-area
- Technical hotline: 02380 295222

STANDARDS

BS EN 60332-1-2	Flame Propagation - Single Cable

CONSTRUCTION

Material outer sheath	Polyvinyl chloride (PVC)
Cable shape	Round

APPLICATIONS PROPERTIES

Flame retardant	In accordance with BS EN 60332-1-2
UV resistant	Yes

COLOURS

Power cores - Brown, Blue & Green/Yellow.

Data pairs – Brown, Brown/White, Blue, Blue/White, Green, Green/White, Orange, Orange/White

Overall - Black sheath

CURRENT RATINGS

PRY EV is suitable for conductor operating temperatures of up to 90°C. Where the equipment allows for such operating temperatures, reference shall be made to Table 4E2A for unarmoured and 4E4A for armoured cables. Where it is known that the equipment is limited to 70°C operation, reference shall be made to Table 4D2A for unarmoured and 4D4A for armoured cable.

TECHNICAL DATA

Number of cores low voltage power cable	Nominal cross section conductor [mm²]	Number of cores signal-/data cable	Bedding	Nominal outer diameter [mm]	Cable weight [kg/km]	Embodied Carbon [CO2e kg/km]
3	4	8	No	16.6	340	1,070
3	4	8	Yes	18.6	570	2,346
3	6	8	No	16.7	400	1,277
3	6	8	Yes	21.8	880	1,637

Note: Where Bedding is “Yes”, this denotes PRY EV Armoured *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

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