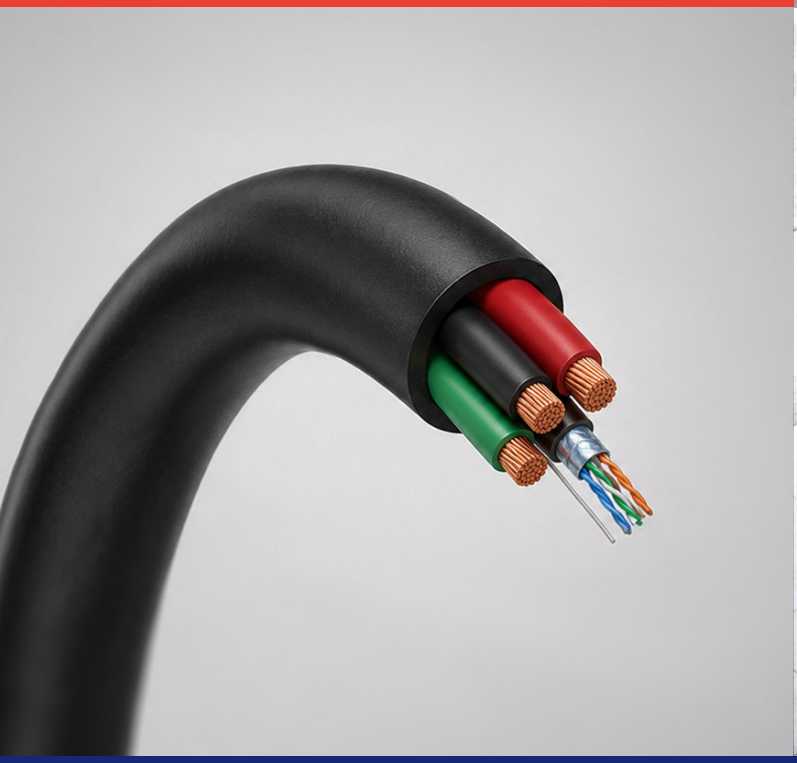
Carnector®
EVC Series



Hybrid power and data cable.
Simplify EV and smart infrastructure installations.

FIRSTFLEX

Carnector® combines power and communication within a single flexible cable solution, helping simplify EV charging and smart infrastructure installations. By integrating flexible power conductors and screened CAT5e communication in one cable assembly, Carnector® reduces cable runs, simplifies routing and helps save time on site. Designed for EV charging, solar systems, automation and smart infrastructure applications, Carnector® delivers reliable power and communication through one practical solution.

Power and communication
delivered through a single cable.

Carnector® EVC Series

Carnector® EVC combines power and CAT5e communication within a single cable, helping reduce installation complexity and simplify cable routing. Designed for EV charging, solar, automation, security and connected infrastructure applications, it delivers a practical solution where both power and communication are required.

POWER DATA | EV READY | BEP 2.0

Why Carnector®

Faster installs
One cable instead of multiple runs means less time on site and simpler cable routing.

Cleaner installations
Combining power and communication in a single cable helps reduce conduit congestion and minimise entry points.

Reliable communication
Integrated screened CAT5e supports stable communication for EV charging and smart energy systems.

Future-ready infrastructure
Supports evolving EV charger communication requirements and smart automation technologies.

Built for New Zealand conditions
UV stabilised and flame retardant construction for indoor and outdoor fixed installations.

How it works

Power and communication together
Carnector® combines flexible Class 5 power conductors and screened CAT5e communication within a single cable assembly.

An overall foil screen and drain wire help prevent external noise from coupling into the data pairs..

Compliance

Designed for compliant installations
Carnector® is designed to align with relevant Australian and New Zealand standards, including AS/NZS 3000, AS/NZS 5000.2, AS/NZS 3808 and AS/NZS 1125.

The integrated communication element uses 300V rated insulation, supporting compliant installation alongside LV conductors within the same cable assembly.

Ideal applications

EV charging infrastructure
Combines power and communication in one cable solution.

Solar & energy systems
Reduces cable runs and installation complexity.

Smart infrastructure
Supports automation, access control and connected systems.

Secondary buildings
Power and communication through a single cable assembly.

Key technical features

- 450/750V
- Class 5 flexible copper conductors
- X-90 XLPE insulation
- Integrated screened CAT5e
- UV stabilised SPVC sheath
- Flame retardant construction
- -20°C to +90°C operating temp.
- Indoor and outdoor fixed installation

Carnector®

Cable Sizes	Cores x Size (mm^2)	Stranding No. (Approx)	OD (mm)	Weight (kg/km)	Amps Unenclosed	Amps Enclosed	Volt Drop (mV/A/m)
EVC03/6.0	3x6+Cat5e	84/0.30	18.1 ±7%	460	56	30	7.85
EVC03/10	3x10+Cat5e	80/0.40	20.3 ±7%	610	79	40	4.68
EVC03/16	3x16+Cat5e	128/0.40	22.2 ±7%	795	106	54	2.81

Carnector®

Product attributes

Power and Data
Power and communication in a single cable solution.

EV Ready
Designed for EV charging and connected energy systems.

BEP 2.0
Certified to Best Environmental Practice standards recognised by Green Star.

Certainty. Delivered.

Every Carnector® cable is tested, stocked and supported, so you can install it once, get it right and keep moving.

Cut to length with no minimum order.

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