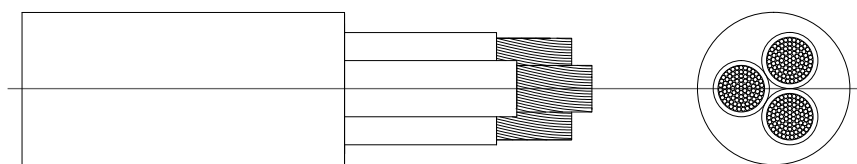


POWERFLEX[®] RV-K

Industrial flexible cable for power transmission.

BASED ON: IEC 60502-1 / UNE 21123-2

DESIGN



Conductor

Electrolytic copper, class 5 (flexible), based on EN 60228 and IEC 60228.

Insulation

Cross-linked polyethylene (XLPE)

The standard identification of insulated conductors is the following:

1 x	○	Natural
2 x	● ●	Blue + Brown
3 G	● ● ●	Blue + Brown + Yellow/Green
3 x	● ● ●	Brown + Black + Grey
3 x + 1 x	● ● ● + ●	Brown + Black + Grey + Blue (reduced cross-section)
4 G	● ● ● ●	Brown + Black + Grey + Yellow/Green
4 x	● ● ● ●	Brown + Black + Grey + Blue
5 G	● ● ● ● ●	Brown + Black + Grey + Blue + Yellow/Green
6 or more	● ● ● ● ● ●	black numbered + Yellow/Green

Outer sheath

Flexible PVC, black colour.

APPLICATIONS

Powerflex[®] RV-K cable is suitable for all types of low voltage industrial-type connections, in urban grids, building installations, etc. Its high flexibility makes the installation process substantially easier and, as a result, is particularly suitable for use in difficult layouts. It can be buried or installed in a tube as well as outdoors without requiring additional protection. This cable can withstand damp conditions including total immersion in water (AD7).

- Industrial use.
- Urban grids.

TOP CABLE POWERFLEX RV-K

FEATURES

Electrical performance

Low voltage 0,6/1kV.

Based on

IEC 60502-1 / UNE 21123-2.

Standards and approvals

AENOR / BUREAU VERITAS / KEMA-KEUR / RoHS / CE.

CPR (Construction Products Regulation)

E_{ca}.

Thermal performance

Maximum service temperature: 90°C.

Maximum short-circuit temperature: 250°C (max. 5 s).

Minimum service temperature: -40°C (fixed and protected installations).

Fire performance

Flame non-propagation based on EN 60332-1 and IEC 60332-1.

Reduced emission of halogens. Chlorine <15%.

Reaction to fire CPR: E_{ca}, according to EN 50575.

Mechanical performance

Minimum bending radius: x5 cable diameter.

Impact resistance: AG2 Medium severity.

Chemical performance

Chemical & Oil resistance: Good.

UV UV Resistant: UNE 211605.

Water performance

Water resistance: AD7 immersion.

Other

Meter by meter marking.

Installation conditions

Open Air.

Buried.

In conduit.

In tray.

Packaging

Available in coils (lengths of 100 m) and drums.



POWERFLEX®
RV-K



POWERFLEX®
PLUS YMVKF



POWERHARD® F
RVFV-K



POWERHARD® M
RVMV-K



POWERHARD®
RV / U-1000 R2V



POWERHARD®
RV AL / U-1000 AR2V