



Application:

The RV-K cable is for power distribution and can be used for all types of low voltage industrial-type connections, building installations, in urban grids, etc. This cable is particularly suitable for use in challenging layouts because of its high flexibility, also making the installation process substantially easier. It can be buried or installed in a tube as well as outdoors without requiring additional protection. The RV-K cable withstands damp conditions.

Characteristics:

Voltage Rating (U_o/U)

0.6/1kV Temperature Rating -
15°C to +90°C

Minimum Bending Radius Fixed:
5 x overall diameter

Standards:

IEC 60502-1, UNE 21123-2

Flame retardant according to IEC/EN 60332-1-2

Construction:

Conductor

Class 5 flexible copper conductor

Insulation

XLPE (Cross-Linked Polyethylene)

Sheath

PVC (Polyvinyl Chloride)

Core Identification

5 core: Green/Yellow, Blue, Brown, Black, Grey

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory.

Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



RV-K - IEC 60502-1 XLPE PVC Cable

PART NUMBER	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL THICKNESS OF INSULATION mm	NOMINAL OVER-ALL DIAMETER mm	NOMINAL WEIGHT kg/km
A9R05060	5	6	0.7	15.6	388

CONDUCTORS

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM DIAMETER OF WIRES IN CONDUCTOR	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C
6	0.31	3.3

ELECTRICAL CHARACTERISTICS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	CURRENT CARRYING CAPACITY VOLTAGE	CURRENT CARRYING CAPACITY VOLTAGE	VOLTAGE DROP mV/A/m
5	6	46	48	7.288

SHORT CIRCUIT CURRENT CARRYING CAPACITIES

TIME S	0.1	.2	0.3	0.5	1.0	1.5	2.0	2.5	3.0
AMPS/ MM ²	452	320	261	202	143	117	101	90	83