

HELUPOWER® 1300 RV-K ORANGE

Torsion tested, direct burial



TECHNICAL DATA

XLPE / PVC power cable acc. to IEC 60502-1, UNE 211 23-2

Temperature range	flexing -5°C to +90°C fixed installation -15°C to +90
Nominal Voltage	AC: U0/U 0,6/1 kV DC: U0/U 0,9/1,8
Test Voltage	4000
Breakdown Voltage	min. 8000
Minimum Bending Radius	flexing: 10x cable Ø fixed: up to 25mm: 4 x cable Ø >25 - 50mm: 5 x cable Ø

CABLE STRUCTURE

- Bare copper-conductor (K) acc. to DIN VDE 0295 cl.5, fine wire, acc. EN 60228
- Core insulation (R): XLPE type DIX 3 acc. to table 2A of UNE HD 603- 1
- Cores stranded in layers with optimal lay lengths
- Core colours: blue, yellow, red & black
- Neutral PVC filler
- Outer sheath (V): PVC compound type DMV 18 acc. to table 4A of UNE HD603- 1
- Outer sheath colour: orange
- With meter marking

PROPERTIES

- Max. permissible operating temperature at conductor +90C and short circuit temperature for 5 seconds +200°C
- Suitable for direct burial
- UV-resistant

APPLICATION

These cables are designed for flexible multi purpose power supply connections which can withstand medium mechanical stress when moving freely or in slow trailing motion. Suitable for use in dry, moist and wet rooms. Also suitable for direct burial, laying in tubes and underground installation areas. Typical application areas range from general production machinery, to machine tool applications, conveyor belt systems, air-conditioning units, steel plant installations and factory automation. Ideal as power or control cable especially if increased temperature and/or voltage is required. UV resistant due to its special PVC outer sheath compound and therefore also ideal as power connection cable for outdoor mobile and portable devices and machinery. Alternatively also for use as power connection cable in the stage and lighting industry or renewable energy sector.

CE = Product complies to the Low-Voltage Directive 2014/35/EU.

TESTS

- Oil resistant acc. to DIN VDE 0473-811-404 / DIN EN 60811-404 / IEC 60811-404
- Torsion tested acc. to TW-0, TW-1 & TW
- Flame retardant acc. to DIN 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1 - 2

NOTES

- also available with black outer sheath or as a halogen free type with green outer sheath and colour coding acc. to HD 308 S2 as HELUPOWER 1100 RZ1-K LS0H GREEN
- R (XLPE insulation) V (PVC sheath) - K (flexible conductor)

Part no.	No. cores x cross-sec mm ²	Outer Ø app. mm	Copper weight kg/km	Weight App. kg/km
18102029	4 x 1,5	10,9	57,6	190
18102030	4 x 2,5	12,0	96,0	250
18102031	4 x 4	13,3	153,6	325
18102032	4 x 6	15,1	230,4	445
18102033	4 x 10	17,3	384,0	685
18102034	4 x 16	19,4	614,4	970
18102035	4 x 25	23,3	960,0	1450
18102036	4 x 35	26,6	1344,0	1960

Dimensions & specifications may be changed without prior notice.