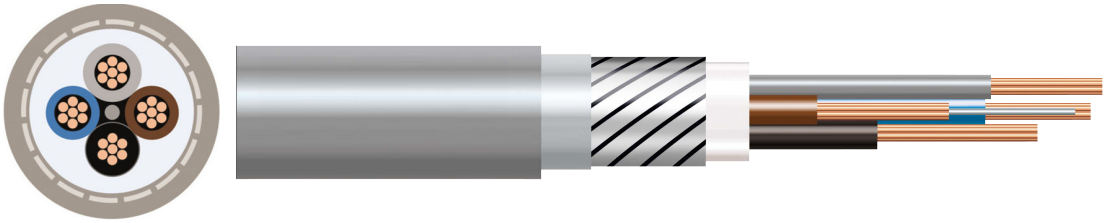
# VG-YMVKAS KEMA APPROVED PVC POWER CABLE



Our VG-YMvKas range meets stringent industry standards for the Dutch market, including NEN1010 and KEMA certification. Featuring a degree of mechanical protection, with flat steel wires and copper wires covered in an open steel tape, flame-retardant PVC sheathing and XLPE insulation for temperatures up to +90°C, our cables ensure safety and reliability. Suitable for Underground laying and where mechanical protection is required.

| | |
|---|---|
| **CONDUCTOR** | Plain Copper |
| **STRANDING** | Class 2 |
| **INSULATION** | XLPE |
| **BEDDING** | PVC |
| **ARMOUR** | Steel Wire Armour |
| **OUTERSHEATH** | PVC |
| **OUTERSHEATH COLOUR** | Grey |
| **CORE IDENTIFICATION** | 2 core: Blue and Brown<br>3 core: Black, Brown and Grey<br>4 core: Black, Brown, Grey and Blue<br>5 core: Black, Brown, Grey, Blue and Black<br>Optional: 3 core: Black, Brown & Blue |
| **MINIMUM BENDING RADIUS** | 15 x overall diameter |
| **OPERATING TEMPERATURE** | Maximum 90°C Minimum bending 0°C / Service temperature: -20 to +90°C / Min laying temperature: -5°C |
| **STANDARDS** | HD 604 PART 4 SECTION D. |
| **APPROVALS** | KEMA |

# SPECIFICATION DATA

| BATT Part No | No of cores | Nominal cross sectional area of conductor (mm2) | Nominal thickness of insulation (mm) | Nominal thickness of oversheath (mm) | Approx overall diameter (mm) | Weight (kg/km) |
|---|---|---|---|---|---|---|
| 55396 | 2 | 10 | 0.70 | 1.80 | 19.2 | 888 |
| 55474 | 2 | 16 | 0.70 | 1.80 | 21.2 | 1221 |
| 55456 | 3 | 10 | 0.70 | 1.80 | 20.0 | 1045 |
| 55457 | 3 | 16 | 0.70 | 1.80 | 22.0 | 1352 |
| 55448 | 3 | 25 | 0.90 | 1.80 | 25.6 | 1805 |
| 55483 | 3 | 35 | 0.90 | 1.80 | 27.4 | 2087 |
| 55477 | 3 | 50 | 1.0 | 1.8 | 28.3 | 2277 |
| 55524 | 3 | 70 | 1.1 | 2.0 | 31.9 | 3039 |
| 55479 | 3 | 95 | 1.1 | 2.1 | 35.3 | 3953 |
| 55480 | 3 | 150 | 1.4 | 2.4 | 42.9 | 5795 |
| 55073 | 4 | 10 | 0.70 | 1.80 | 21.9 | 1180 |
| 55458 | 4 | 16 | 0.70 | 1.80 | 23.9 | 1636 |
| 55409 | 4 | 25 | 0.90 | 1.80 | 27.7 | 2200 |
| 55475 | 4 | 35 | 0.90 | 1.80 | 30.1 | 2674 |
| 55219 | 4 | 50 | 1.00 | 1.90 | 34.4 | 3572 |
| 55476 | 4 | 70 | 1.10 | 2.10 | 40.5 | 4770 |
| 55481 | 4 | 95 | 1.10 | 2.20 | 43.6 | 6094 |
| 55482 | 4 | 120 | 1.20 | 2.40 | 49.1 | 7703 |
| 55494 | 4 | 150 | 1.40 | 2.50 | 53.1 | 9176 |
| 55550 | 4 | 185 | 1.60 | 2.70 | 59.0 | 11377 |
| 55523 | 4 | 240 | 1.70 | 2.90 | 66.9 | 14512 |
| 55459 | 5 | 10 | 0.70 | 1.8 | 24 | 1428 |

## ELECTRICAL CHARACTERISTICS

| Nominal cross sectional area (mm2) | Maximum conductor DC resistance at 20°C (ohm/km) |
|---|---|
| 10 | 1.83 |
| 16 | 1.15 |
| 25 | 0.727 |
| 35 | 0.524 |
| 50 | 0.387 |
| 70 | 0.268 |
| 95 | 0.193 |
| 120 | 0.153 |
| 150 | 0.124 |
| 185 | 0.0991 |
| 240 | 0.0754 |