



### N07V-K

#### Application and Description

These cables are suitable in building trade, industry, handicraft, wiring and power transport. Fitted inside pipes or ducts, either visible or recessed or similar closed systems. Suitable for static, protected use inside switching or control equipment, for alternating current up to 1000 V or direct current up to 750 V to ground. 1 mm<sup>2</sup> section is suitable only for circuits of lifting devices and machines. In fire risk installation the max operating temperature must not be above 55°C. Unsuitable for laying in the external and underground.

#### Standard and Approval

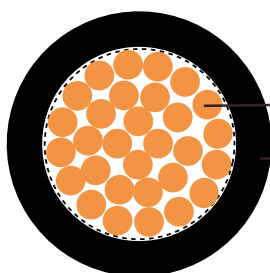
HD 21, CEI 20-22, CEI-UNEL 35752, CEI 20-52, IEC 332-3, Directive Low Voltage Directive 73/23/EEC and 93/68/EEC, ROHS compliant

#### Cable Construction

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Class-5
- Special PVC R2 core insulation

#### Technical Characteristics

- Working voltage: 450/750V
- Test voltage: 2500 volts
- Minimum bending radius: 4 x Ø
- Maximum operating temperature: -10°C to +70° C
- Maximum short circuit temperature: +160° C
- Flame retardant: IEC 60332.1 CEI EN 50265-2-1; CEI 20-22 II
- Insulation resistance: 20 MΩ x km



Bare copper conductor

PVC insulation

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### Cable Parameter

<b>AWG</b>	<b>No. of Cores x Nominal Cross Sectional Area # x mm<sup>2</sup></b>	<b>Nominal Thickness of Insulation mm</b>	<b>Nominal Overall Diameter mm</b>	<b>Nominal Copper Weight kg/km</b>	<b>Nominal Weight kg/km</b>
16(30/30)	1 x 1.5	0,7	3.1	14.4	21
14(50/30)	1 x 2.5	0,8	3.6	24	33
12(56/28)	1 x 4	0,8	4.3	38	47
10(84/28)	1 x 6	0,8	4.9	58	68
8(80/26)	1 x 10	1,0	6.4	96	114
6(128/26)	1 x 16	1,0	8.1	154	173
4(200/26)	1 x 25	1,2	9.8	240	265
2(280/26)	1 x 35	1,2	11.1	336	358
1(400/26)	1 x 50	1,4	13.1	480	512
2/0 (356/24)	1 x 70	1,4	15.5	672	702
3/0 (485/24)	1 x 95	1,6	17.2	912	925
4/0 (614/24)	1 x 120	1,6	19.7	1152	1178
300 MCM (765/24)	1 x 150	1,8	22.3	1440	1466
350 MCM (944/24)	1 x 185	2,0	25.4	1776	1812
500MCM(1225/24)	1 x 240	2,2	28.1	2304	2377