

 ASCABLE-RECAEL	H07V2-K EC Low Voltage Directive 2006/95/CE		ETP-04 Ed. 10/2014 Rev.2
PVC insulated cables of rated voltages up to and including 450/750 V			

DESCRIPTION

Single core non-sheathed electric cables with PVC insulation. These cables are suitable for energy transport and for electric connection for fixed installations.

Construction according to EN 50525-2-31.

CONSTRUCTION

- | | | |
|-----------------|--|--------------|
| 1 - Conductor: | Flexible copper, class 5 | a/EN 60228 |
| | · H07V2-K: Bare Copper | |
| | · H07V2-K SN: Tinned Copper | |
| 2 - Insulation: | PVC, type TI3 | a/EN 50363-3 |
| | · Colours: black, blue, brown, grey, orange, pink, red, turquoise, violet, white and green/yellow. | |



TECHNICAL SPECIFICATIONS

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|------------------------------------|--|-----------------|
| Rated voltage: | 450 / 750 V | |
| | · These cables can be used at 0.6/1 kV when they are installed in a fixed installation mechanically protected, inside a distribution and control device. | |
| Test voltage: | 2.500 V | |
| Operating temperature: | -15°C to +90°C | a/EN 50525-2-31 |
| | -25°C to +105°C | a/ISO 6722 |
| Maximum short-circuit temperature: | 160 °C (max. 5 s) | |
| Bending radius: | 5 Ø | |
| No flame propagation: | Complies | a/EN 60332-1-2 |

DATA AND DIMENSIONS

Dimensions and weights are approximates, subject to small variations due to process. Other sizes are possible on request.

Cross Section mm ²	Resistance (1) Ω/km at 20°C	Insulation thickness, mm	Outer Ø mm	Weight Kg/km
1x1.5	13.3	0.7	2.9	19.5
1x2.5	7.98	0.8	3.6	31.9
1x4	4.95	0.8	4.1	46
1x6	3.30	0.8	4.7	63
1x10	1.91	1.0	6.0	108
1x16	1.21	1.0	7.1	159
1x25	0.780	1.2	8.7	244
1x35	0.554	1.2	9.9	335
1x50*	0.386	1.4	11.7	472
1x70*	0.272	1.4	13.7	675
1x95*	0.206	1.6	15.6	869
1x120*	0.161	1.6	17.2	1100
1x150*	0.129	1.8	19.2	1354
1x185*	0.106	2.0	21.2	1643
1x240*	0.0801	2.2	24.9	2179
1x300*	0.0641	2.3	27.6	2769

Cable Certifications: **HAR reg. Nº HAR/000628 AENOR reg. Nº 042/000951** (up to 35 mm²)

*Cable sizes outside the scope of the standard and certification of AENOR <HAR> but manufactured using the same criteria.

(1): Valid resistances for bare copper

APLICACIONES

Consult standard HD 512.S2 "Guide to use of low voltage harmonized cables".