

	H07V2-R Construction Products Regulation (EU) No 305/2011		ETP-106 Ed. 05/2017 Rev. 2
Single core non-sheathed cables with PVC insulation			

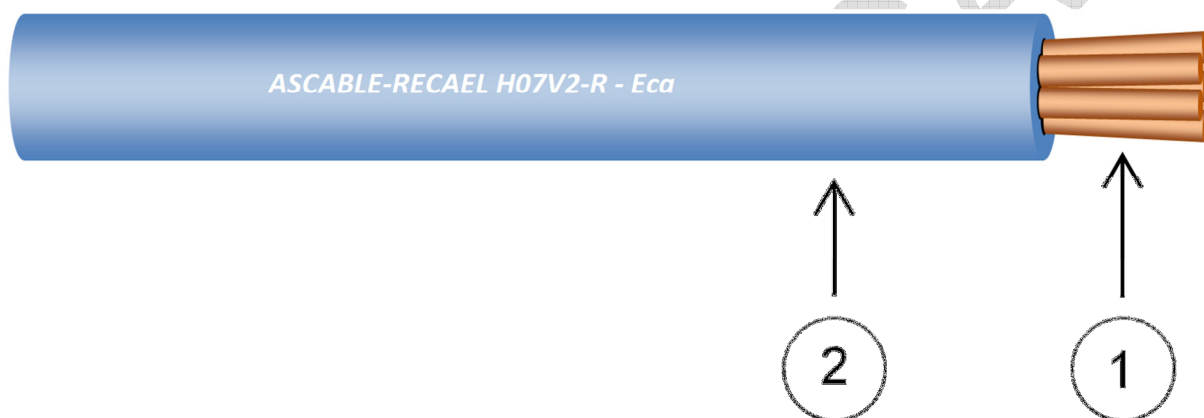
DESCRIPTION

Single core non-sheathed electric cables with heat resistant 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: | Stranded bare copper, class 2 | a/EN 60228 |
| 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

- | | | |
|---------------------------------|--|-----------------|
| 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 to +90 °C | a/EN 50525-2-31 |
| | -40 to +105°C | a/ISO 6722 |
| Max. short-circuit temperature: | 160 °C (max. 5 s) | |
| Bending radius: | 5 Ø | |
| CPR classification (class) | Eca | a/EN 50575 |
| No flame propagation: | Complies | a/EN 60332-1-2 |

Single core non-sheathed cables with PVC insulation

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 Ω/km at 20 °C	Insulation thickness, mm	Outer Ø mm	Weight Kg/km
1x1,5	12,1	0,7	3,0	20,9
1x2,5	7,41	0,8	3,6	33,4
1x4	4,61	0,8	4,2	48,7
1x6	3,08	0,8	4,6	66,8
1x10	1,83	1,0	5,8	110
1x16	1,15	1,0	6,8	165
1x25	0,727	1,2	8,4	259
1x35	0,524	1,2	9,6	355
(*) 1x50	0,387	1,4	11,3	479
(*) 1x70	0,268	1,4	14,0	700
(*) 1x95	0,193	1,6	16,5	948
(*) 1x120	0,153	1,6	17,2	1132
(*) 1x150	0,124	1,8	19,5	1480
(*) 1x185	0,0991	2,0	20,2	1758
(**) 1x240	0,0754	2,2	24,5	2358

(*) Sections outside the scope of the standard but manufactured under the same criteria.

()** Sections outside the scope of the standard but manufactured under the same criteria and without CPR classification

APPLICATIONS

Consult standard EN 50565 "Guide to use for cables with a rated voltage not exceeding 450/750 v (U₀/u)".