

PVC insulated cables of rated voltages up to and including 450/750 V

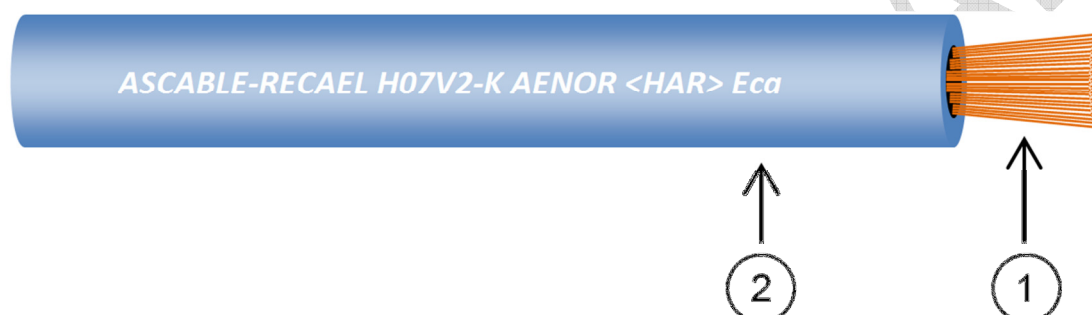
DESCRIPTION

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

TECHNICAL CHARACTERISTIC

1 - Conductor:	Flexible bare or tinned copper class 5	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	
	-25°C 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

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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) (Max. at 20°C) Ω/km		INSULATION THICKNESS mm	OUTER Ø mm	WEIGHT Kg/km
	Bare	Tinned			
1x1.5	13,3	13,7	0,7	2,9	18,9
1x2.5	7,98	8,21	0,8	3,6	31,0
1x4	4,95	5,09	0,8	4,1	44,5
1x6	3,30	3,39	0,8	4,7	62,1
1x10	1,91	1,95	1,0	6,0	106
1x16	1,21	1,24	1,0	7,1	155
1x25	0,780	0,795	1,2	8,7	240
1x35	0,554	0,565	1,2	9,9	330
(*) 1x50	0,386	0,393	1,4	11,7	466
(*) 1x70	0,272	0,277	1,4	13,7	667
(*) 1x95	0,206	0,210	1,6	15,6	866
(*) 1x120	0,161	0,164	1,6	17,2	1.090
(*) 1x150	0,129	0,132	1,8	19,2	1.354
(*) 1x185	0,106	0,108	2,0	21,2	1.643
(**) 1x240	0,0801	0,0817	2,2	24,9	2.179
(**) 1x300	0,0641	0,0654	2,3	27,6	2.769

(*) Sections outside the scope of the standard and AENOR <HAR> certification but manufactured under the same criteria.

()** Sections outside the scope of the standard and AENOR <HAR> certification 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)".