

**Single core non-sheathed cables with halogen free insulation**

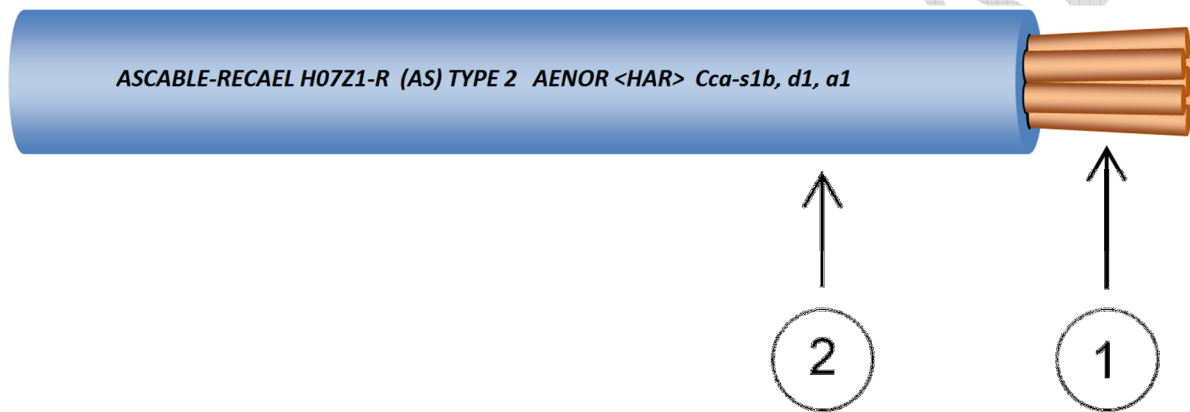
**DESCRIPTION**

Single core non-sheathed electric cables with thermoplastic halogen free insulation. These cables are suitable for energy transport and for electric connexion for fixed installations.

Construction according to EN 50525-3-31.

**TECHNICAL CHARACTERISTICS**

1 - Conductor:	Stranded bare or tinned copper, class 2	a/EN 60228
2 - Insulation:	Halogen free compound type T17	a/EN 50363-7
	· Colours: black, blue, brown, grey, orange, pink, red, turquoise, violet, white and yellow/green.	



**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 +70 °C	
Maximum short-circuit temperature:	160 °C (max. 5 s)	
Bending radius:	5 Ø	
CPR classification (class)	Cca-s1b,d1,a1	a/EN 50575

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**FEATURES FRONT FIRE**

TESTS	STANDARDS	VALUES
Flame retardant	EN 60332-1-2 / IEC 60332-1-2	OK
Fire retardant	EN 50399	OK
Low smoke emission (transmittance > 60%)	EN 61034-2, IEC 61034-1-2	OK
Halogen free (HCl) (<0,5%)	EN 60754-1, IEC 60754-1	OK
Corrosivity test	EN 60754-2, IEC 60754-2	pH ≥ 4,3 / Conductivity ≤ 100 µS/cm

**DATA AND DIMENSIONS**

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

CROSS SECTION mm <sup>2</sup>	RESISTANCE (Max. at 20°C) Ω/km		CURRENT (**) (Max. at 40°C) A	INSULATION THICKNESS mm	OUTER Ø mm	WEIGHT Kg/km
	bare	tinned				
<b>1x1,5</b>	12,1	12,2	15	0,7	2,90	20,9
<b>1x2,5</b>	7,41	7,56	21	0,8	3,60	33,6
<b>1x4</b>	4,61	4,70	27	0,8	4,10	49,5
<b>1x6</b>	3,08	3,11	36	0,8	4,70	67,6
<b>1x10</b>	1,83	1,84	50	1,0	5,50	112
<b>1x16</b>	1,15	1,16	66	1,0	6,70	167
<b>1x25</b>	0,727	0,734	84	1,2	8,70	262
<b>1x35</b>	0,524	0,529	104	1,2	9,80	358
<b>1x50</b>	0,387	0,391	125	1,4	11,70	487
<b>1x70</b>	0,268	0,270	160	1,4	14,00	705
<b>1x95</b>	0,193	0,195	194	1,6	15,80	960
<b>1x120</b>	0,153	0,154	225	1,6	17,20	1.144

(\*) Maximum current capacity for three phase circuit and installation method C (see HD 60364-5-52)