

Single core non-sheathed cables with halogen free insulation

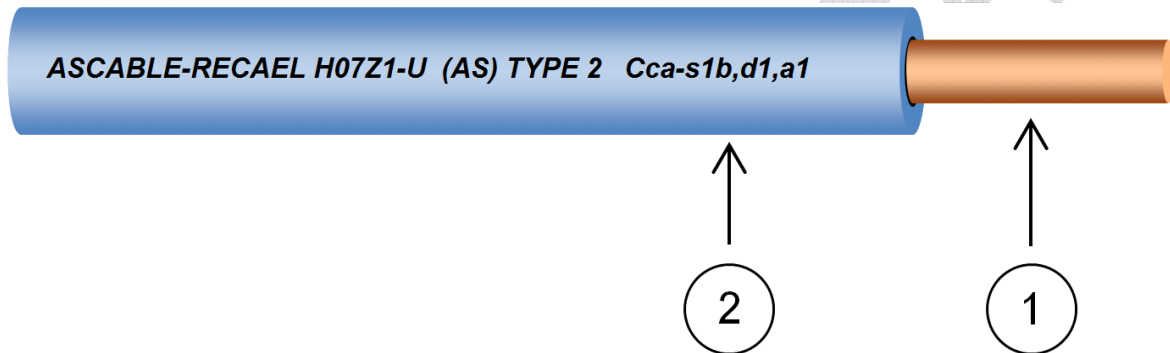
DESCRIPTION

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:	Solid bare or tinned copper, class I	a/EN 60228
2 - Insulation:	Halogen free compound type TI7	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 ∅	
CPR classification (class)	Cca-s1b,d1,a1	a/EN 50575

Single core non-sheathed cables with halogen free insulation

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 ²	RESISTANCE (Max. at 20°C) Ω/km		CURRENT (*) (Max. at 40°C) A	INSULATION THICKNESS mm	OUTER Ø mm	WEIGHT Kg/km
	bare	tinned				
1x1,5	12,1	12,2	15	0,7	2,8	20,00
1x2,5	7,41	7,56	21	0,8	3,4	30,70
1x4	4,61	4,70	27	0,8	3,8	45,70

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