

**Single core non-sheathed cables with LSOH insulation**

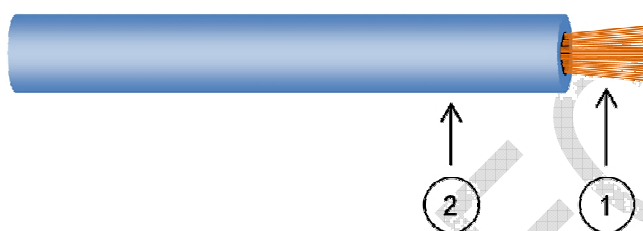
**DESCRIPTION**

Single core non-sheathed electric cables with LSOH insulation. These cables are suitable for electric connexion for fixed installations.

Construction according to EN 50525-3-31.

**TECHNICAL CHARACTERISTICS**

1 - Conductor:	Flexible (bare or tinned) copper class 5	a/EN 60228
2 - Insulation:	Polyolefin compound, type T17 · Colours: black, blue, brown, grey, orange, pink, red, turquoise, violet, white, green, yellow and the bicolour combinations.	a/EN 50363-3



Rated voltage:	300 / 500 V
Test voltage:	2.000 V
Operating temperature:	-15 °C to +70 °C
Maximum short-circuit temperature:	160 °C (max. 5 s)
Bending radius:	5 Ø

**FEATURES FRONT FIRE**

TESTS	STANDARDS	VALUES
Flame retardant	IEC 60332-1-2 / EN 60332-1-2	OK
Fire retardant Cat. "C"	IEC 60332-3-24 / EN 60332-3-24	OK
Low smoke emission (transmittance > 60%)	IEC 61034-1-2 / EN 61034-1-2	OK
Halogen free (HCl) (<0,5%)	IEC 60754-1 / EN 60754-1	OK
Corrosivity test	IEC 60754-2 / EN 60754-2	pH ≥ 4,3 / Conductiv. ≤ 100 µS/cm

**DATA AND DIMENSIONS**

Dimensions and weights are approximate, subject to small variations due to process.

CROSS SECTION mm <sup>2</sup>	ELECTRICAL RESISTANCE (Max. at 20°C) Ω/km		MAX. CURRENT A at 40°C	INSULATION THICKNESS mm	OUTER Ø mm	WEIGHT Kg/km
	Rb	Sn				
1x0.5	39,0	40,1	3	0,6	2,10	9,0
1x0.75	26,0	26,7	6	0,6	2,35	11,8
1x1	19,5	20,0	10	0,6	2,55	14,8

**APPLICATIONS**

These cables are suitable for fixed installations where in the event of fire a low emission of fumes and corrosive and opaque gases is required.

For more information, refer to EN 50565 "Guide for the use of cables with an assigned voltage not exceeding 450/750 V"