

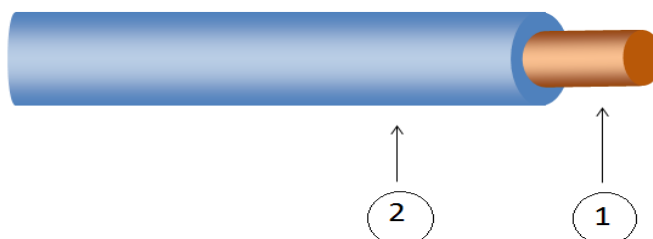
Single core non-sheathed cables with halogen free insulation

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 copper, class I a/EN 60228
 · H07Z1-U: bare copper
 · H07Z1-U SN: tinned copper
- 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.



- 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°C to +70°C
- Maximum short-circuit temperature: 160°C (max. 5 s)
- Bending radius: 5 ∅

FIRE BEHAVIOR SPECIFICATIONS (Classification: AS)

TEST	STANDARDS	VALUES
Flame retardant	EN 60332-1-2 / IEC 60332-1	Complies
Fire retardant	EN 60332-3-24 / IEC 60332-3-24	Complies
Low Smoke emission:	EN 61034-2 / IEC 61034-2	Complies, transmittance > 60%
Halogen free (HCl)	EN 50267-2-1 / IEC 60754-1	Complies
Determination of degree of acidity of gases	EN 50267-2-3 / IEC 60754-2	pH ≥ 4,3 / Conductivity ≤ 10 µS/mm

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 ∅ 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	3.9	45.70