

	Construction:	CENELC HD 22.9 S2
	Flame propagation:	CEI EN 60332-1-2
Corrosive gases or halogens:	CEI EN 50267-2-11	
	CEI EN 50267-2-2	
	CEI EN 60684-2	
	CEI EN 61034-2	
Smoke emission:	2006/95/EC	
Low Voltage directive:	2002/95/EC	
RoHS directive:	2002/95/EC	

DESCRIPTION

Conductor: plain copper wire, flexible, class 5

Insulation: LSOH cross-linked compound, type EI5

Colour: black, blue, brown, grey, orange, pink, red, light blue, violet, white, yellow, green, yellow/green
As two-colour: any combination

LSOH = Low Smoke Zero Halogen

FUNCTIONAL CHARACTERISTICS

Rated voltage U_0/U : 300/500 V

Max. operating temperature: 90 °C

Min. operating temperature (without mechanical shocks): -25 °C

Max. short circuit temperature: 250 °C

SPECIAL FEATURES

Good sliding properties in pipes, good flexibility and abrasion resistance, easy stripping.

INSTALLATION CONDITIONS

Minimum installation temperature: 5 °C

Recommended minimum bending radius: 4 times the cable diameter

Recommended maximum tensile stress: 50 N/mm² of the cross-section of the copper

USE AND INSTALLATION METHOD

For environments containing large number of people when it is necessary to protect against the emission of fumes and corrosive gases in case of fire. For static, protected installation inside equipment, including lighting. Suitable for running inside visible or recessed ducts, only for signal or control circuits. Avoid skin contact if operating at high temperatures.

Formation	Approx. conductor diameter	Average insulation thickness	Max. external diameter	Max. electrical resistance at 20 °C	Approx cable weight	Current rating in pipe in air at 30 °C*
n ° x mm ²	mm	mm	mm	Ω/km	kg/km	A
1 x 0,5	0,9	0,6	2,6	39,0	9	3
1 x 0,75	1,1	0,6	2,8	26,0	11	6
1 x 1	1,3	0,6	2,9	19,5	14	10

* Permissible current rating values are according to a three-phase circuit

Type	Size sqmm	Packing	Cu weight (Kg/Km)
HO5Z-K	1X0,50	D200	4,800
HO5Z-K	1X0,75	D200	7,200
HO5Z-K	1X1	D200	9,600