

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

## DESCRIPTION

**Conductor:** plain copper wire, flexible, class 5

**Insulation:** LS0H cross-linked compound, type EI5

Colour: black, blue, brown, grey, orange, pink, red, light blue, violet, white, yellow/green

**LS0H = Low Smoke Zero Halogen**

## FUNCTIONAL CHARACTERISTICS

Rated voltage  $U_0/U$ : 450/750 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/mm<sup>2</sup> 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. Fitted inside pipes or ducts, including metal, either visible or recessed, or similar closed systems. Suitable for static, protected use inside lighting equipment or inside switching or control equipment, for alternating current up to 1000 V or direct current up to 750 V to ground. 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 <sup>2</sup>	mm	mm	mm	Ω/km	kg/km	A
1 x 1,5	1,5	0,7	3,5	13,3	20	20
1 x 2,5	2,0	0,8	4,3	7,98	31	28
1 x 4	2,5	0,8	4,9	4,95	45	37
1 x 6	3,0	0,8	5,5	3,30	65	48
1 x 10	4,0	1,0	6,8	1,91	109	66
1 x 16	5,0	1,0	7,1	1,21	163	88
1 x 25	6,2	1,2	8,4	0,780	248	117
1 x 35	7,4	1,2	10,6	0,554	344	144
1 x 50	8,9	1,4	12,1	0,386	488	175
1 x 70	10,5	1,4	14,4	0,272	673	222
1 x 95	12,2	1,6	16,6	0,206	901	269

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

Type	Size sqmm	Packing	Cu weight (Kg/Km)
HO7Z-K	1X1,5	D100	14,400
HO7Z-K	1X2,5	D100	24,000
HO7Z-K	1X4	CO100	38,400
HO7Z-K	1X6	CO100	57,600
HO7Z-K	1X10	CO100	96,000
HO7Z-K	1X16	CO100	153,600
HO7Z-K	1X25	D500	240,000
HO7Z-K	1X35	D500	336,000
HO7Z-K	1X50	D500	480,000
HO7Z-K	1X70	D500	672,000
HO7Z-K	1X95	D500	912,000