

# H07Z1-K type2

CPR Cca- s1b, d1, a1

Model Product: 263 - 20240129

**general**  
**CAVI** s.p.a.

Class 5 flexible copper conductor.  
Thermoplastic Insulation, T17 quality.

## STANDARDS

CEI EN 50525-3-31 (IEC 60227-3)

EN 50575:2014 + EN 50575/A1:2016 Classificazione EN 13501-6

Accordingly to the standards BT 2014/35/UE- 2011/65/EU (RoHS 3)

## COMMON FEATURES

Installation in surface mounted or embedded conduits, or similar closed systems, particularly for situations in which low emission of smoke and corrosive gases are required in the case of burning. Type 2 cables are for use when special fire performance is necessary, or when local conditions or regulations require increased level of public safety (for example in hospitals, cinemas or schools). Especially suitable for use where cables are installed in bunches. Suitable for fixed protected installation in, or on, lighting and control gear for voltage up to 1000V a.c. or up to 750V d.c. to earth. Supply of electricity and communications in buildings and other civil engineering works with the objective of limiting the generation and spread of fire and smoke.

## EMPLOYMENT

Minimum bending radius per D cable diameter (in mm):

Fixed lay:  $D < 8 = 3D$   $D < 12 = 3D$   $D > 12 = 4D$ Fixed lay:  $D < 8 = 4D$   $D < 12 = 4D$   $D > 12 = 5D$ Maximum pulling stress: 50 N/mm<sup>2</sup>

## PACKING

100mt. rings in thermoplastic film or drums to agree.

SINGLE CORE, HALOGEN-FREE THERMOPLASTIC  
INSULATED WITHOUT SHEATH CABLE, WITH LOW  
SMOKES AND CORROSIVE GAS EMISSION L.S.O.H

Nominal voltage U0: 450 V

Nominal voltage U: 750 V

Test voltage: 2500 V

Maximum operating temperature: +70°C

Maximum short circuit temperature: +160°C

Minimum installation and laying temperature: +5°C

Min. operating temperature (without mechanical shocks): -10°C

Minimum installation and laying temperature: +5°C

## CORE COLOURS

Single core: Black, brown, light blue, grey, red, white, yellow/green, orange, pink, dark blue.

## INK MARKING

GENERAL CAVI -Cca-s1b,d1,a1- IEMMEQU &lt;HAR&gt; - H07Z1-K Type 2 - year

## NOTE

Maximum storage temperature: +40°C.



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Cores number	Cross section	Approx conductor diameter	Insulation medium thickness	Approx external production diameter	Approx cable weight	Electric resistance at 20°C	Current carrying capacities in air 30°C
(N°)	(mm²)	(mm)	(mm)	(mm)	(kg/km)	(Ohm/km)	(A)
Single core							
1x	1.5	1.5	0.7	2.95	21	13.3	15.5
1x	2.5	2.0	0.8	3.60	33	7.98	21
1x	4	2.5	0.8	4.25	48	4.95	28
1x	6	3.0	0.8	4.75	66	3.30	36
1x	10	4.0	1.0	6.26	112	1.91	50
1x	16	5.0	1.0	7.27	167	1.21	68
1x	25	6.2	1.2	9.19	254	0.70	89
1x	35	7.4	1.2	10.10	340	0.554	110
1x	50	8.9	1.4	12.22	485	0.386	154
1x	70	10.5	1.4	14.14	674	0.272	171
1x	95	12.2	1.6	15.86	894	0.206	207
1x	120	13.8	1.6	17.78	1110	0.161	239
1x	150	15.4	1.8	19.70	1400	0.129	275
1x	185	16.9	2.0	21.92	1700	0.106	314
1x	240	19.5	2.2	25.15	2230	0.0801	433