

H07Z-K

CPR Eca

Model Product: 248 - 20210324

general
CAVI s.p.a.

Class 5 flexible copper conductor.
RUBBER insulation EI5 quality.

STANDARDS

CEI EN 50525-3-41 CEI 20-19/9 (CENELEC HD 22.9 S3) BS
EN 50525-3-41 NF C 32-102-9 VDE 0282-9
EN 50575:2014 + EN 50575/A1:2016

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

COMMON FEATURES

This cable is particularly suited in high fire risk places containing a great number of people (like offices, data processing centres, schools, hotels, supermarket, undergrounds, hospitals, cinemas, theaters, discos). Suitable for fixed lay, in pipe, cable-carrier channels, inner wiring of electric switchboards, inside interruption and control equipments for voltage until 1000V in c.a. and 750V d.c. to the ground. 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: $D < 8 = 3D$ $D < 12 = 3D$ $D > 12 = 4D$
Curve near terminal: $D < 8 = 2D$ $D < 12 = 3D$ $D > 12 = 4D$
Maximum pulling stress: 50 N/mm²

PACKING

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

INDOOR LAYING CABLE WITH LOW EMISSION OF OPAQUE
FUMES AND TOXIC CORROSIVE GASES

Nominal voltage U0: 450 V

Nominal voltage U: 750 V

Test voltage: 2500 V

Maximum operating temperature: +90°C

Maximum short circuit temperature: +250°C

Minimum installation and laying temperature: -5°C

Min. operating temperature (without mechanical shocks): -20°C

Minimum installation and laying temperature: -5°C

CORE COLOURS

Single core: Black, light blue, brown, grey, orange, pink, red, touquoise, violet, white, Y/G.

INK MARKING

GENERAL CAVI - IEMMEQU <HAR> - H07Z-K -form. x sect. -Eca- inner work
order - year - progressive lenght (from 25mm²)

MARKING ENGRAVING

GENERAL CAVI-Eca - H07Z-K - IEMMEQU <HAR> - 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	19	13.3	20
1x	2.5	2	0.8	3.60	31	7.98	28
1x	4	2.5	0.8	4.25	45	4.95	37
1x	6	3.0	0.8	4.75	63	3.3	48
1x	10	4.0	1	6.26	108	1.91	66
1x	16	5.0	1	7.27	162	1.21	88
1x	25	6.2	1.2	9.19	252	0.78	117
1x	35	7.4	1.2	10.10	338	0.554	144
1x	50	8.9	1.4	12.22	481	0.386	175
1x	70	10.5	1.4	14.14	670	0.272	222
1x	95	12.2	1.6	15.86	888	0.206	269
1x	120	13.8	1.6	17.78	1008	0.161	312
1x	150	15.4	1.8	19.70	1391	0.129	355
1x	185	16.9	2.0	21.92	1686	0.106	417
1x	240	19.5	2.2	25.15	2212	0.0801	490

Current carrying capacities are calculated on a single circuit with 3 loaded conductors. Lay type: CEI 64-8 Tab 52.C (3-5-31-32-33-33-18)