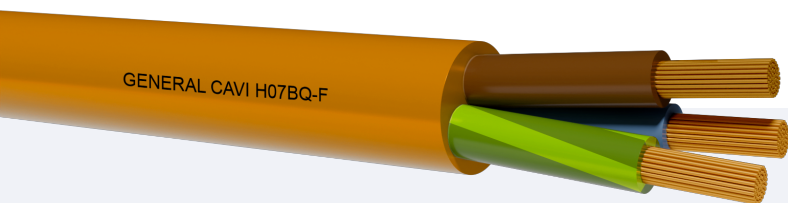


**H07BQ-F**

CPR Eca

Model Product: 240-241 - 20180212

Class 5 flexible copper conductor.  
Elastomeric mixture Insulation in EI6 quality.  
Polyurethane sheath.

**STANDARDS**

CEI EN 50525-2-21 CEI 20-107/2-21 CEI 20-19/10  
(CENELEC HD 22.10 S2)EN 50575:2014 + EN  
50575/A1:2016

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

**COMMON FEATURES**

In dry, humid or moist situations, outdoors (AD6 and AD7); for equipments in industrial and agricultural workshop, heating installations where there is no risk of contact with hot parts and is not subject to radiations, electric tools as drills, circular saws, motors or trasportable generators in construction sites or agricultural plants and so on, for use in coldstorage applications. Especially suitable in situations where the cable il subject to high abrasion and tear stresses. Suitable for permanent outdoor use where a black sheath is specified and tested against appropriate requirements, or the manufacturer has provided suitable alternative protections. 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 installation  $D < 8 = 3D$   $D < 12 = 3D$   $D < 20 = 4D$   $D > 20 = 4D$

Free Movement  $D < 8 = 4D$   $D < 12 = 4D$   $D < 20 = 5D$   $D > 20 = 6D$

At the entrance to a portable device or a mobile device

mechanical stress with  $D < 8 = 6D$   $D < 12 = 6D$   $D < 20 = 6D$   $D > 20 = 8D$

Diverted to pulley  $D < 8 = 8D$   $D < 12 = 8D$   $D < 20 = 8D$   $D > 20 = 8D$

Maximum pulling stress: 15 N/mm<sup>2</sup> section of copper dynamic applications, for fixed 50 N/mm<sup>2</sup>

**PACKING**

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

NOTE: Maximum storage temperature: +40°C

ENERGY TRANSMISSION ELASTOMERIC EI6 INSULATED CABLES WITH POLYURETHANE SHEATH SUITABLE IN DRY, HUMID OR MOIST SITUATIONS, EVEN ON IMMERSION OIL RESISTANT IN ACCORDING TO EN 60811-404. HALOGEN FREE: IEC 60754-1 NO CORROSIVE GASES: IEC 60754-2

Nominal voltage U<sub>0</sub>: 450 V

Nominal voltage U: 750 V

Test voltage: 3000 V

Maximun voltage U<sub>m</sub>: 1000V Installazioni Fisse / for fixed and protected installation

Maximun operating temperature: +90 °C

Maximun short circuit temperature: +250°C

Minimum installation and laying temperature: -40°C;

Min. operating temperature (without mechanical shocks): -55°C

**CORE COLOURS**

Two cores: blue-brown

Three cores: brown-black-gray (or blue-brown-Y/G)

Four cores: blue-brown-black-gray (or Y/G instead blue)

Five cores: Y/G-blue-brown-black-gray (black no Y/G)

**SHEATH COLOUR**

Orange

**INK MARKING**

GENERALCAVI -Eca- IEMMEQU <HAR> - H07BQ-F - year



# H07BQ-F

CPR Eca

Model Product: 240-241 - 20180212



Cores number (N°)	Cross section (mm²)	Approx conductor diameter (mm)	Insulation medium thickness (mm)	Approx external production diameter (mm)	Approx cable weight (kg/km)	Electric resistance at 20°C (Ohm/km)	Current carrying capacities
							30°C Mobile Service (A)
Two cores							
2x	1*	1.3	0.8	7.86	75.3	19.0	12
2x	1.5*	1.6	0.8	8.51	95	13.3	12.5
2x	2.5*	2	0.9	10.01	137	7.98	17
2x	4*	2.6	1.0	11.61	193	4.95	22.5
2x	6	3.4	1.0	12.81	250	3.30	30
2x	10	4.4	1.2	17.25	444	1.91	63
2x	16	5.7	1.2	19.43	608	1.21	12.5
2x	25**	6.9	1.4	25.55	1040	0.780	17
2x	35**	8.1	1.4	28.10	1169	0.554	22.5
2x	50**	9.8	1.6	33.1	1600	0.386	30
Three cores							
3G	1*	1.3	0.8	8.47	95	19.0	40
3G	1.5*	1.6	0.8	8.99	108	13.3	12.5
3G	2.5*	2	0.9	10.59	137	7.98	17
3G	4*	2.6	1.0	12.31	197	4.95	22.5
3G	6	3.4	1.0	13.79	267	3.3	30
3G	10	4.4	1.2	18.47	556	1.91	40
3G	16	5.7	1.2	21.02	780	1.21	12.5
3G	25**	6.9	1.4	27.69	1324	0.780	17
3G	35**	8.1	1.4	30.95	1754	0.554	22.5
3G	50**	9.8	1.6	35.80	2409	0.386	30
3G	70**	11.6	1.6	40.45	3211	0.272	172
3G	95**	13.3	1.8	45.08	4210	0.206	204
3G	120**	15.1	1.8	49.93	5205	0.161	238
Four cores							
4G	1*	1.3	0.8	9.61	105	19.0	12
4G	1.5*	1.6	0.8	9.97	120	13.3	20
4G	2.5*	2	0.9	11.74	177	7.98	26
4G	4*	2.6	1.0	13.64	256	4.95	35
4G	6	3.4	1.0	15.25	346	3.3	46
4G	10	4.4	1.2	20.25	702	1.91	63
4G	16	5.7	1.2	22.84	981	1.21	85
4G	25**	6.9	1.4	30.75	1714	0.780	92
4G	35**	8.1	1.4	34.23	2204	0.554	114
4G	50**	9.8	1.6	39.56	3029	0.386	143

# H07BQ-F

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Cores number (N°)	Cross section (mm²)	Approx conductor diameter (mm)	Insulation medium thickness (mm)	Approx external production diameter (mm)	Approx cable weight (kg/km)	Electric resistance at 20°C (Ohm/km)	Current carrying capacities
							30°C Mobile Service (A)
4G	70**	11.6	1.6	44.89	4121	0.272	178
4G	95**	13.3	1.8	50.36	5361	0.206	210
4G	120**	15.1	1.8	55.33	6546	0.161	246
4G	150**	16.8	2.0	60.87	8095	0.129	282
Five cores							
5G	1*	1.3	0.8	10.21	150	19.0	12
5G	1.5*	1.6	0.8	10.81	177	13.3	20
5G	2.5*	2	0.9	12.97	260	7.98	26
5G	4*	2.6	1.0	15.06	372	4.95	35
5G	6	3.4	1.0	16.12	491	3.3	46
5G	10	4.4	1.2	22.22	852	1.91	63
5G	16	5.7	1.2	25.26	1206	1.21	85
5G	25**	6.9	1.4	33.57	2096	0.780	94
5G	35**	8.1	1.4	39.20	2697	0.554	114
5G	50**	9.8	1.6	45.40	3740	0.386	143
5G	70**	11.6	1.6	48.00	5033	0.272	178
5G	95**	13.3	1.8	53.22	6271	0.206	210

\*FullPur NO CPR

\*\*NO IMMMEQ <HAR>  
halogen free compounds