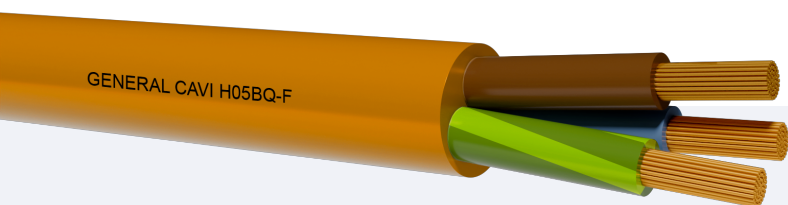


**H05BQ-F**OIL RESISTANT IN ACCORDING TO EN  
60811-404

Model Product: 243 - 20191023

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

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)

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

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

Nominal voltage U0: 300 V

Nominal voltage U: 500 V

Test voltage: 2000 V

Maximum operating temperature: +90°C

Maximum short circuit temperature: +250°C

Minimum installation and laying temperature: -40°C

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

**COMMON FEATURES**

In dry, humid or moist situations, outdoors (AD6 and AD7); for medium mechanical stresses, such as: 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 transportable generators in construction sites or agricultural plants and so on, for use in cold storage applications. Especially suitable in situations where the cable is 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.  
OIL RESISTANT IN ACCORDING TO EN 60811-404

**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  
Festoons eg. gantry crane for D<8=6D D<12=6D D<20=6D D>20=8D  
Winding repeated 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

**CORE COLOURS**

Two cores: blue-brown

Three cores: Brown - Black - Gray (or Y/G, Blue and Brown)

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 - IEMMEQU <HAR> - H05BQ-F - year

**NOTE**

halogen free compounds

# H05BQ-F

OIL RESISTANT IN ACCORDING TO EN 60811-404

Model Product: 243 - 20191023



Conductor Number (N°)	Cross section (mm²)	Approx conductor diameter (mm)	Insulation thickness (mm)	external diameter		Approx cable weight (kg/km)	Electric resistance at 20°C (Ohm/km)	Current carrying capacities 30°C (A)
				low boundary (mm)	high boundary (mm)			
Two cores								
2x	0.75*	1.3	0.6	5.7	7.4	46	26	6
2x	1*	1.5	0.6	6.1	8.0	53	19.5	10
Three cores								
3G	0.75*	1.3	0.6	6.2	8.1	59	26	6
3G	1*	1.5	0.6	6.5	8.5	67	19.5	10
Four cores								
4G	0.75*	1.3	0.6	6.8	8.8	81	26	6
4G	1*	1.5	0.6	7.1	9.3	84	19.5	10
Five cores								
5G	0.75*	1.3	0.6	7.6	9.9	90	26	6
5G	1*	1.5	0.6	8.0	10.3	107	19.5	10

\*FullPur