



APPLICATION

The cable X-PUR[®] H07BQ-F is a flexible cable for mobile service. Suitable for installations where the cable must withstand medium mechanical stress, for machines in industrial and agricultural workshops, for motors and transportable machines on construction sites, for wind mills and for agricultural exploitations.

CONSTRUCTION

Conductor

Electrolytic annealed copper conductor, class 5 (flexible), according to EN 60228 and IEC 60228.

Insulation

Cross-linked elastomeric insulation, type EI6 according to EN 50363-1. The standard identification of insulated conductors is the following:

1 x	Natural
2 x	Blue + Brown
3 G	Blue + Brown + Green/Yellow
4 G	Brown + Black + Grey + Green/Yellow
5 G	Brown + Black + Grey + Blue + Green/Yellow


Lay - up


The cores are twisted together.


Outer sheath


Thermoplastic polyurethane type TPU according to EN 50363-10-2. Orange color.


CHARACTERISTICS


 **Electrical performance**
Low voltage: 450/750V.

 **Thermal performance**
Maximum service temperature: 90°C.
Maximum short-circuit temperature: 250°C (max. 5 s).
Minimum service temperature: -40°C (static with protection).

 **Fire performance**
Flame non propagation: according to EN 60332-1 (not <HAR> requirement).


 **Mechanical performance**
Minimum bending radius:
x3 cable diameter (cable <12 mm)
x4 cable diameter (cable ≥12 mm)
Impact resistance: AG2 Medium severity.

 **Environmental performance**
Chemical performance:
Chemical & Oil resistance: Excellent.

 **Installation conditions**
Open air.

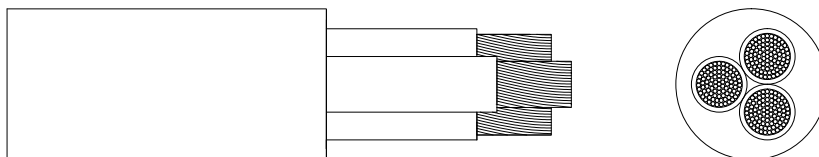
STANDARDS / COMPLIANCE

 According to
EN 50525-2-21.

 Standards and approvals
HAR / AENOR / CE / RoHS.



DIMENSIONS & ADMISSIBLE INTENSITIES



Cross-section (mm ²)	Diameter (mm)	Weight (kg/km)	Fixed Inst. (A)	Mobil Inst. (A)	Voltaje drop (V/A-km)
1 x 95 *	19,6	955	328	222	0,414
1 x 185 *	26,3	1.800	510	341	0,213
2 x 1,5	7,7	75	26	16	30,9
3 G 1,5	8,2	95	26	16	30,9
3 G 2,5	9,5	145	36	25	18,5
3 G 4	11,2	210	49	35	11,5
4 G 1,5	9,1	125	23	16	26,7
4 G 2,5	10,7	180	32	20	16
4 G 4	13,2	245	42	30	10
5 G 1,5	10,1	150	23	16	26,7
5 G 2,5	12,4	210	32	20	16
5 G 4	14,6	335	42	30	10
5 G 6	16,2	455	54	38	6,6
6 G 1,5 *	12,9	195	26	16	30,9

* 07BQ-F (this cables are outside of the range of the standard)