

# PUR insulated cable H07BQ-F acc. to EN 50525-2-21



<b>Conductor material:</b>	copper, bare or tinned
<b>Conductor class:</b>	class 5 = fine stranded
<b>Insulation:</b>	rubber (EPR) EI4
<b>Sheathing material:</b>	polyurethan
<b>Flame-retardant:</b>	no
<b>Maximum permitted conductor temperature:</b>	90 °C
<b>Permitted outer cable temperature, fixed:</b>	-40 - +80 °C

	<i>H07BQ-F (without filler)</i>	<i>X07BQ-F (without filler)</i>	<i>X07BQ-F (with filler)</i>
<b>Nominal voltage U<sub>0</sub>:</b>	450 V	450 V	450 V
<b>Nominal voltage U:</b>	750 V	750 V	750 V
<b>Core identification:</b>	colours acc. to VDE 0293 (HD308)	colours acc. to VDE 0293 (HD 308); more than 5 cores: gn-ye + numbers	colours acc. to VDE 0293 (HD308)

**Application:** In dry and wet environments as well as outdoors under medium mechanical stress. For connection of electrical tools on building sites or in cold environments. The cable is highly oil-, abrasion- and impact resistant.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics H07BQ-F (without filler)

p/n	part name	R <sub>l</sub> [Ω/km]	I <sub>bl</sub> [A]	R <sub>bb</sub> [mm]	R <sub>bv</sub> [mm]	D <sub>A</sub> [mm]	Cu [kg/km]	G [kg/km]
051202	H07BQ-F 02X1,5 OR	13,3	16	100	34	8,4	28,8	88
051184	H07BQ-F 03G1,5 OR	13,3	16	107	36	8,9	43,2	106
051203	H07BQ-F 04G1,5 OR	13,3	18	119	40	9,9	57,6	136
051204	H07BQ-F 05G1,5 OR	13,3	18	130	43	10,8	72	170
051205	H07BQ-F 02X2,5 OR	7,98	20	120	40	10	48	128
051206	H07BQ-F 03G2,5 OR	7,98	20	127	42	10,6	72	158
051207	H07BQ-F 04G2,5 OR	7,98	26	141	47	11,8	96	206
051208	H07BQ-F 05G2,5 OR	7,98	26	157	52	13,1	120	258
051209	H07BQ-F 03G4 OR	4,95	25	155	52	12,9	115,2	228
051210	H07BQ-F 04G4 OR	4,95	34	174	58	14,5	154	294
051211	H07BQ-F 05G4 OR	4,95	34	192	64	16	192	345
051212	H07BQ-F 04G6 OR	3,39	44	194	65	16,2	230,4	436
051213	H07BQ-F 05G6 OR	3,39	44	214	71	17,9	288	518
051214	H07BQ-F 04G10 OR	1,91	61	259	86	21,6	384	722
051215	H07BQ-F 05G10 OR	1,91	61	278	93	23,2	480	864
051216	H07BQ-F 04G16 OR	1,21	82	290	97	24,2	614,4	1103
051217	H07BQ-F 05G16 OR	1,21	82	322	108	26,9	768	1382

Table: Technical characteristics X07BQ-F (without filler)

p/n	part name	R <sub>l</sub> [Ω/km]	I <sub>bl</sub> [A]	R <sub>bb</sub> [mm]	R <sub>bv</sub> [mm]	D <sub>A</sub> [mm]	Cu [kg/km]	G [kg/km]
051218	X07BQ-F 07G1,5 OR	13,3	18	158	53	13,2	101	267
051219	X07BQ-F 12G1,5 OR	13,3	18	192	64	16	172,8	340
051220	X07BQ-F 07G2,5 OR	7,98	26	182	61	15,2	168	352
051221	X07BQ-F 12G2,5 OR Voll- PUR					20,8	288	520
051604	X07BQ-F 04G25 OR	0,78	108	324	110	26,8	960	1348
051605	X07BQ-F 04G35 OR	0,554	135	360	120	30,2	1344	1810
051606	X07BQ-F 04G50 OR	0,386	168	420	140	35,2	1920	2516
051607	X07BQ-F 04G70 OR	0,272	207	480	160	40	2688	3413
051608	X07BQ-F 04G95 OR	0,206	250	564	188	46,8	3648	4535

Table: Technical characteristics X07BQ-F (with filler)

p/n	part name	R <sub>l</sub> [Ω/km]	I <sub>bl</sub> [A]	R <sub>bb</sub> [mm]	R <sub>bv</sub> [mm]	D <sub>A</sub> [mm]	F <sub>zv</sub> [N]	Cu [kg/km]	G [kg/km]
051624	X07BQ-F 04G25 OR	0,78	108			29,2	1500	960	1609
051625	X07BQ-F 04G35 OR	0,554	135			32,4	2100	1344	2107
051626	X07BQ-F 04G50 OR	0,386	168			37,6	3000	1920	2901
051627	X07BQ-F 04G70 OR	0,272	207			42,4	4200	2688	3876
051628	X07BQ-F 04G95 OR	0,206	250			49,2	5700	3648	5121
050420	X07BQ-F 05G25 OR	0,78	108	420	140	35	1875	1200	2400
050409	X07BQ-F 05G35 OR	0,554	135	468	156	39	2625	1680	2500
050437	X07BQ-F 05G50 OR	0,386	168	558	186	46,5	3750	2400	3290
050421	X07BQ-F 05G70 OR	0,272	207	636	212	53	5250	3360	5556
050413	X07BQ-F 05G95 OR	0,206	250	720	240	60	7125	4560	7274
050350	X07BQ-F 12G2,5 OR	7,98	26			20,8	450	288	520

RI	Conductor resistance
I <sub>bl</sub>	Ampacity in air (30 °C)
R <sub>bb</sub>	Bending radius, moving application
R <sub>bv</sub>	Bending radius, fixed installation
DA	Outer diameter approx.
F <sub>zv</sub>	Tensile strength (during installation)
Cu	Copper weight (GER)
G	weight