

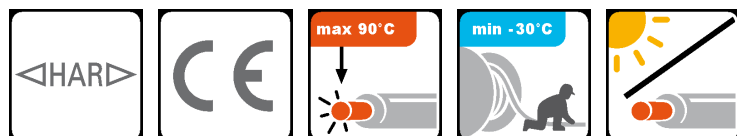
PUR insulated cable H05/07BQ-F F acc. to EN 50525-2-21



conductor material: bare copper
conductor construction: fine stranded, class 5
insulation: rubber (EPR) EI4
sheathing material: polyurethan
flame retardant: no
maximum temperature at conductor: 90 °C
max. operating temperature, fixed: -40 - +80 °C

	<i>H05BQ-F</i>	<i>H07BQ-F (without filler)</i>	<i>X07BQ-F</i>
nominal voltage U₀:	300 V	450 V	450 V
nominal voltage U:	500 V	750 V	750 V
core identification:	colours acc. VDE 0293 (HD308)	colours acc. VDE 0293 (HD308)	

Application: In dry and wet environment as well as in free air for medium mechanical stress. For connection of electrical tools on building sites or in cold environments.



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 H05BQ-F

p/n	part name	R _l [Ω/km]	I _{bl} [A]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
050320	H05BQ-F 02X0,75 OR	26	6	76,8	25,6	6,4		14,4	48,5
051270	H05BQ-F 03X0,75 OR					7,1		21,6	60
050321	H05BQ-F 03G0,75 OR	26	6	85,2	28,4	7,1		21,6	60
050322	H05BQ-F 04G0,75 OR	26	6	91,2	30,4	7,6	45	29	76
050323	H05BQ-F 05G0,75 OR	26	6	102	34	8,5		36	98
050324	H05BQ-F 02X1 OR	19,5	10	84	28	7	30	19,2	57
050325	H05BQ-F 03G1 OR	19,5	10	88,8	29,6	7,4	45	28,8	71
050326	H05BQ-F 04G1 OR	19,5	10	97,2	32,4	8,1	60	38,4	92
050327	H05BQ-F 05G1 OR	19,5	10	108	36	9	75	48	115,5

Table: Technical characteristics H07BQ-F (without filler)

p/n	part name	R _l [Ω/km]	I _{bl} [A]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
051202	H07BQ-F 02X1,5 OR Voll-PUR	13,3	16	100,8	33,6	8,4	28,8	88
051184	H07BQ-F 03G1,5 OR Voll-PUR	13,3	16	106,8	35,6	8,9	43,2	106
051203	H07BQ-F 04G1,5 OR Voll-PUR	13,3	18	118,8	39,6	9,9	57,6	136
051204	H07BQ-F 05G1,5 OR Voll-PUR	13,3	18	129,6	43,2	10,8	72	170
051205	H07BQ-F 02X2,5 OR Voll-PUR	7,98	20	120	40	10	48	128

p/n	part name	R _l [Ω/km]	I _{bl} [A]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	Cu [kg/km]	G [kg]
051206	H07BQ-F 03G2,5 OR Voll-PUR	7,98	20	127,2	42,4	10,6	72	158
051207	H07BQ-F 04G2,5 OR Voll-PUR	7,98	26	141,6	47,2	11,8	96	206
051208	H07BQ-F 05G2,5 OR Voll-PUR	7,98	26	157,2	52,4	13,1	120	258
051209	H07BQ-F 03G4 OR Voll-PUR	4,95	25	154,8	51,6	12,9	115,2	228
051210	H07BQ-F 04G4 OR Voll-PUR	4,95	34	174	58	14,5	154	294
051211	H07BQ-F 05G4 OR Voll-PUR	4,95	34	192	64	16	192	345
051212	H07BQ-F 04G6 OR Voll-PUR	3,39	44	194,4	64,8	16,2	230,4	436
051213	H07BQ-F 05G6 OR Voll-PUR	3,39	44	214,8	71,6	17,9	288	518
051214	H07BQ-F 04G10 OR Voll-PUR	1,91	61	259,2	86,4	21,6	384	722
051215	H07BQ-F 05G10 OR Voll-PUR	1,91	61	278,4	92,8	23,2	480	864
051216	H07BQ-F 04G16 OR Voll-PUR	1,21	82	290,4	96,8	24,2	614,4	1103
051217	H07BQ-F 05G16 OR Voll-PUR	1,21	82	322,8	107,6	26,9	768	1382

Table: Technical characteristics X07BQ-F

p/n	part name	R _l [Ω/km]	I _{bl} [A]	R _{bb} [mm]	R _{bv} [mm]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg]
050345	X07BQ-F 07G1,5 OR	13,3	18	158,4	52,8	13,2		101	267
050401	X07BQ-F 12G1,5 OR	13,3	18	192	64	16	270	172	340
050347	X07BQ-F 07G2,5 OR	7,98	26	182,4	60,8	15,2		168	352
050350	X07BQ-F 12G2,5 OR	7,98	26			20,8	450	288	520
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

R _l	conductor resistance
I _{bl}	ampacity (in air)
R _{bb}	bending radius, moved application
R _{bv}	bending radius, fixed installation
D _A	outer diameter
F _{zv}	tensile strength (during installation)
Cu	copper
G	weight