

PUR insulated cable H05/07BQ-F acc. to VDE 0282-10



conductor material:	bare copper		
conductor construction:	fine stranded, class 5		
insulation:	rubber (EPR) E14		
maximum temperature at conductor:	90 °C		
sheathing material:	polyurethan		
flame retardant:	no		
max. operating temperature, fixed:	-40 - +80 °C		
core identification:	<i>H05BQ-F</i> colours acc. VDE 0293 (HD308)	<i>H07BQ-F</i> colours acc. VDE 0293 (HD308)	<i>X07BQ-F</i> colours acc. VDE 0293 (HD308); more than 5 cores: gn-ye + numbers
protective conductor:	yes	yes	yes
nominal voltage U₀:	300 V	450 V	450 V
nominal voltage U:	500 V	750 V	750 V

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. H07BQ-F has a filler.



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.

core identification acc. to HD 308

number of cores	with protective conductor	without protective conductor
1	green-yellow	black
2		blue, brown
3	green-yellow, blue, brown	brown, black, gray
4	green-yellow, brown, black, gray	blue, brown, black, gray
5	green-yellow, blue, brown, black, gray	blue, brown, black, gray, black

table: technical data H05BQ-F

p/n	part name	RI [Ω/km]	Ibl [A]	Rbb [mm]	Rbf [mm]	DA [mm]	Fz [N]	CU	G [kg/km]
050320	H05BQ-F 02X0,75 OR	26	6	76,8	25,6	6,4		14,4	48,5
050324	H05BQ-F 02X1 OR	19,5	10	84	28	7	30	19,2	57
050321	H05BQ-F 03G0,75 OR	26	6	85,2	28,4	7,1		21,6	60
050325	H05BQ-F 03G1 OR	19,5	10	88,8	29,6	7,4	45	28,8	71
050322	H05BQ-F 04G0,75 OR	26	6	91,2	30,4	7,6	45	29	76
050326	H05BQ-F 04G1 OR	19,5	10	97,2	32,4	8,1	60	38,4	92
050323	H05BQ-F 05G0,75 OR	26	6	102	34	8,5		36	98
050327	H05BQ-F 05G1 OR	19,5	10	108	36	9	75	48	115,5

table: technical data H07BQ-F

p/n	part name	RI [Ω/km]	Ibl [A]	Rbb [mm]	Rbf [mm]	DA [mm]	Fz [N]	CU	G [kg/km]
050328	H07BQ-F 02X1,5 OR	13,3	16	100,8	33,6	8,4	45	28,8	87,5
050332	H07BQ-F 02X2,5 OR	7,98	20	120	40	10	75	48	128
050329	H07BQ-F 03G1,5 OR	13,3	16	106,8	35,6	8,9		43,2	106,5
050333	H07BQ-F 03G2,5 OR	7,98	20	127,2	42,4	10,6		72	158,5
050491	H07BQ-F 03G4 OR	4,95	25	154,8	51,6	12,9	180	115,2	228
050330	H07BQ-F 04G1,5 OR	13,3	18	118,8	39,6	9,9	90	57,6	136
050334	H07BQ-F 04G2,5 OR	7,98	26	141,6	47,2	11,8	150	96	206
050492	H07BQ-F 04G4 OR	4,95	34	174	58	14,5	240	154	294
050493	H07BQ-F 04G6 OR	3,39	44	194,4	64,8	16,2	360	230	436
050494	H07BQ-F 04G10 OR	1,91	61	259,2	86,4	21,6	600	384	722
050495	H07BQ-F 04G16 OR	1,21	82	290,4	96,8	24,2	960	614,4	1103
050331	H07BQ-F 05G1,5 OR	13,3	18	129,6	43,2	10,8		72	169,5
050335	H07BQ-F 05G2,5 OR	7,98	26	157,2	52,4	13,1		120	258
050416	H07BQ-F 05G4 OR	4,95	34	192	64	16	300	192	345
050417	H07BQ-F 05G6 OR	3,39	44	214,8	71,6	17,9	450	288	518
050418	H07BQ-F 05G10 OR	1,91	61	278,4	92,8	23,2	750	480	864
050419	H07BQ-F 05G16 OR	1,21	82	322,8	107,6	26,9	1200	768	1382

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table: technical data X07BQ-F

p/n	part name	RI [Ω/km]	Ibl [A]	Rbb [mm]	Rbf [mm]	DA [mm]	Fz [N]	CU	G [kg/km]
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
050345	X07BQ-F 07G1,5 OR	13,3	18	158,4	52,8	13,2		101	267
050347	X07BQ-F 07G2,5 OR	7,98	26	182,4	60,8	15,2		168	352
050401	X07BQ-F 12G1,5 OR	13,3	18	192	64	16	270	172	340
050350	X07BQ-F 12G2,5 OR	7,98	26			20,8	450	288	520

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