

APPLICATION

For use outdoors and in dry rooms, under high mechanical loads. For agricultural and commercial appliances. Excellent abrasion and notch resistance. High radiation resistance. Ideal as a supply line for hand-held devices and drills. The combination of the flexible rubber core insulation and robust PUR sheath guarantees a long service life. PUR is resistant to microbes, hydrolysis, UV radiation, ozone, oxygen, oils, grease, petrol, water and atmospheric influences. Free from paint-coating substances.

STRUCTURE

Conductor	Bare copper conductor, design structure according to DIN VDE 0282 part 10 Conductor structure according to VDE 0295 and HD 383 class 5, cores stranded in layers
Cores	Rubber insulation
Outer sheath	Polyurethane according to VDE 282 part 10

TECHNICAL DATA

Nominal voltage	H05 BQ-F: 300/500 V H07 BQ-F: 450/750 V
Test voltage	H05 BQ-F: 2000 V H07 BQ-F: 2500 V
Operating temperature	-40°C to +90°C
Max. operating temperature	+90°C
Min. installation temperature	-30°C
Max. installation temperature	+80°C
Min. bending radius	Moving 12 x cable diameter

TESTS ACCORDING TO DIN VDE 0282 PART 10 AND HD 22.10.S1:

Oil resistance	According to HD 505.21
Cold resistance	According to HD 505.1.4
Hydrolysis resistance	HD 22.10
Ozone resistance	According to HD 505.2.1 and HD 22.2

Datasheet

BMqL H07BQ-F

Product description		Cu weight	Outer Ø (mm)	Weight (kg/km)
H05 BQ-F	2x0.75	14.4	6.5	53
H05 BQ-F	2x1	19.0	7.0	60
H07 BQ-F	2x1.5	29.0	8.5	91
H07 BQ-F	2x2.5	48.0	9.0	101
H07 BQ-F	2x4.0	77.0	10.6	154
H07 BQ-F	2x6.0	116.0	11.8	232
H07 BQ-F	2x10.0	192.0	15.6	343
H07 BQ-F	2x16.0	308.0	17.9	554
H05 BQ-F	3G0.75	21.6	7.0	65
H05 BQ-F	3G1	29.0	7.5	72
H07 BQ-F	3G1.5	43.0	9.0	110
H07 BQ-F	3G2.5	72.0	11.0	160
H07 BQ-F	3G4.0	115.0	11.3	264
H07 BQ-F	3G6.0	173.0	12.8	346
H07 BQ-F	3G10.0	288.0	16.8	500
H07 BQ-F	3G16.0	461.0	19.5	830
H05BQ-F	4G0.75	29.0	8.0	82
H05BQ-F	4G1	38.0	8.5	91
H07BQ-F	4G1.50	58.0	11.0	143
H07BQ-F	4G2.50	96.0	12.5	200
H07BQ-F	4G4	154.0	12.7	277
H07BQ-F	4G6	230.0	14.2	414
H07BQ-F	4G10	384.0	18.6	691
H07BQ-F	4G16	614.0	21.3	1106
H05 BQ-F	5G0.75	36.0	7.6	100
H05 BQ-F	5G1	48.0	9.0	112
H07 BQ-F	5G1.5	72.0	11.0	170
H07 BQ-F	5G2.5	120.0	13.5	260
H07 BQ-F	5G4	192.0	14.1	345
H07 BQ-F	5G6	288.0	15.7	518
H07 BQ-F	5G10	480.0	20.4	864
H07 BQ-F	5G16	768.0	23.7	1382
H07 BQ-F	7G1.5	101.0	13.2	260