



H05BB-F /H07BB-F

Application and Description

These rubbers insulated and sheathed electric cables, with a parallel EPDM tube, joined with a textile braid, are used especially for electric steam generator irons (named usually “vaporellas”). The cables are suitable for the stripping force on automatic machines and for low temperature environments.

Standard and Approval

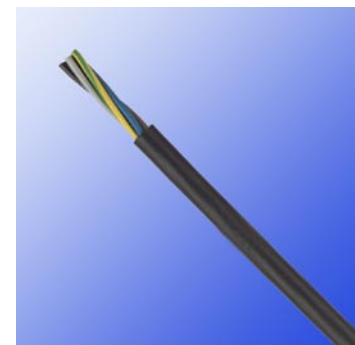
HD 22.12, CEI 20-19/12, NF C 32-102-4

Cable Construction

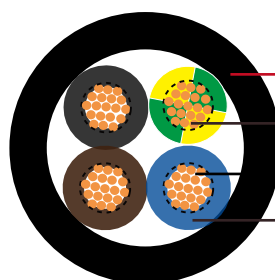
- Bare/Tinned copper strand conductor
- acc. to DIN VDE 0295 class 5. IEC 60228 class 5
- Insulation: EPR rubber type E17
- Color coded to VDE 0293-308(3 conductors and above with yellow/green wire)
- Sheath: EPR rubber type EM6
- Sheath color: normally black

Technical Characteristics

- Working voltage:
 - H05BB-F: 300/500V
 - H07BB-F: 450/750V
- Test voltage:
 - H05BB-F: 2000V
 - H07BB-F: 2500V
- Flexing bending radius: $4 \times \varnothing$
- Static bending radius: $3 \times \varnothing$
- Operating temperature:
 - H05BB-F: $-40^{\circ}\text{C} - +60^{\circ}\text{C}$
 - H07BB-F: $-25^{\circ}\text{C} - +90^{\circ}\text{C}$
- Short circuit temperature: 250°C
- Flame retardant: VDE 0482-332-1-2/IEC 60332-1



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- EPR outer jacket
- Green/Yellow wire
- Tinned copper conductor
- EPR insulation

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Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x <i>mm</i> ²	Nominal Thickness of Insulation <i>mm</i>	Nominal Thickness of Sheath <i>mm</i>	Nominal Overall Diameter <i>mm</i>	Nominal Weight <i>kg/km</i>
H05BB-F					
18(24/32)	2x0.75	0.6	0.8	6.3	53
17(32/32)	2x1	0.6	0.9	6.8	64
16(30/30)	2x1.5	0.8	1.0	8.3	95
14(30/50)	2x2.5	0.9	1.1	9.8	140
18(24/32)	3x0.75	0.6	0.9	6.8	65
17(32/32)	3x1	0.6	0.9	7.2	77
16(30/30)	3x1.5	0.8	1	8.8	115
14(30/50)	3x2.5	0.9	1.1	10.4	170
12(56/28)	3 x 4	1	1.2	12.2	240
10(84/28)	3 x 6	1	1.4	13.6	320
18(24/32)	4x0.75	0.6	0.9	7.4	80
17(32/32)	4x1	0.6	0.9	7.8	95
16(30/30)	4x1.5	0.8	1.1	9.8	145
14(30/50)	4x2.5	0.9	1.2	11.5	210
12(56/28)	4 x 4	1	1.3	13.5	300
10(84/28)	4 x 6	1	1.5	15.4	405
18(24/32)	5x0.75	0.6	1	8.3	100
17(32/32)	5x1	0.6	1	8.7	115
16(30/30)	5x1.5	0.8	1.1	10.7	170
14(30/50)	5x2.5	0.9	1.3	12.8	255
H07BB-F					
17(32/32)	2x1	0.8	1.3	8.20	89
16(30/30)	2x1.5	0.8	1.5	9.10	113
14(30/50)	2x2.5	0.9	1.7	10.85	165
17(32/32)	3x1	0.8	1.4	8.90	108
16(30/30)	3x1.5	0.8	1.6	9.80	138
14(30/50)	3x2.5	0.9	1.8	11.65	202
17(32/32)	4x1	0.8	1.5	9.80	134
16(30/30)	4x1.5	0.8	1.7	10.85	171
14(30/50)	4x2.5	0.9	1.9	12.80	248
17(32/32)	5x1	0.8	1.6	10.80	172
16(30/30)	5x1.5	0.8	1.8	11.90	218