



H07RN-F 3G VDE 1.5mm2

VDE Schuko Plug

Betteri BCO1 Female



Female head
Dustproof cover



• • • Micro Inverter Plug Cable

Expert in Solar Power Transmission
Balcony Power Generation



H07RN-F

CU · EPR · PCP / 450 · 750V

01 | APPLICATION:

Used for portable power supplies, site equipment, industrial machinery, and audio visual equipment. High flexibility and have the capacity to withstand weather, oil/grease, mechanical and thermal stresses.

02 | CONSTRUCTION:

Conductor: Class 5 flexible copper conductor/ IEC 60228

Insulation: EPR (Ethylene Propylene Rubber)

Sheath: PCP (Polychloroprene)

Sheath Colour: ● Black

Insulation core color:

1 core: ● Black

2 core: ● Brown ● Blue

3 core: ● Brown ● Blue ● G/Y

4 core: ● Black ● Brown ● Grey ● G/Y

5 core: ● Black ● Brown ● Grey ● Blue ● G/Y

03 | CHARACTERISTICS:

Rated voltage U₀/U: 450/750V

Test Voltage: 3kV

Water Resistant: AD7

Flame-resistant test: acc. to EN 60332-1-2

Bending radius flexed: 6 x outer Ø

Temperature range: -30°C to +60c

Can be supplied up to 90 C

DIMENSIONS

Nom. Cross Section Area	Insulation thickness	Nom. overall diameter	Nom. weight
N x mm ²	mm	mm	kg/km
1x1.5	0.8	5.8	52
1x2.5	0.9	6.5	67
1x4	1.0	7.4	92
1x6	1.0	8.1	119
1x10	1.2	9.8	185
1x16	1.2	11.3	258
1x25	1.4	13.3	375
1x35	1.4	14.6	485
1x50	1.6	17.2	669
1x70	1.6	19.3	892
1x95	1.8	22.2	1160
1x120	1.8	24.3	1436
1x150	2.0	25.9	1748
1x185	2.2	29.7	2142
1x240	2.4	31.5	2698
1x300	2.6	36.5	3348
1x400	2.8	40.4	4293
1x500	3.0	49.6	5269
1x630	3.0	47.2	6790

Nom. Cross Section Area	Insulation thickness	Nom. overall diameter	Nom. weight
N x mm ²	mm	mm	kg/km
4G 1	0.8	9.6	142
4G 1.5	0.8	10.6	180
4G 2.5	0.9	12.6	260
4G 4	1.0	14.6	336
4G 6	1.0	16.4	449
4G 10	1.2	21.8	833
4G 16	1.2	25.4	1138
4G 25	1.4	30.7	1714
4G 35	1.4	33.4	2204
4G 50	1.6	39.6	3029
4G 70	1.6	44.9	4121
4G 95	1.8	51.9	5361
4G 120	1.8	55.3	6546
4G 150	2.0	60.8	8095
4G 185	2.2	65.7	9652
4G 240	2.4	75.7	19614

Nom. Cross Section Area	Insulation thickness	Nom. overall diameter	Nom. weight
N x mm ²	mm	mm	kg/km
2x1.5	0.8	9.0	120
2x2.5	0.9	10.7	173
2x4	1.0	12.3	239
2x6	1.0	13.8	313
2x10	1.2	18.6	563
2x16	1.2	21.7	830
2x25	1.4	25.8	1211
3G 1	0.8	8.74	117
3G 1.5	0.8	9.68	147
3G 2.5	0.9	11.4	123
3G 4	1.0	13.2	297
3G 6	1.0	14.7	390
3G 10	1.2	19.9	705
3G 16	1.2	23.3	1031
3G 25	1.4	27.7	1512
3G 35	1.4	30.2	1907
3G 50	1.6	35.8	9651
3G 70	1.6	40.1	3484
3G 95	1.8	46.4	4594

Nom. Cross Section Area	Insulation thickness	Nom. overall diameter	Nom. weight
N x mm ²	mm	mm	kg/km
5G 1.5	0.8	11.8	206
5G 2.5	0.9	14.0	297
5G 4	1.0	16.2	422
5G 6	1.0	18.2	567
5G 10	1.2	24.1	1010
5G 16	1.2	28.2	1400
5G 25	1.4	33.9	2096
5G 35	1.4	27.2	2700
5G 50	1.6	44.0	3730
5G 70	1.6	47.9	5033
5G 95	1.6	53.2	6271

CONDUCTOR RESISTANCE

NOMINAL CROSS SECTIONAL AREA	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C
mm ²	Ω/km
1	19.5
1.5	13.3
2.5	7.98
4	4.95
6	3.30
10	1.91
16	1.21
25	0.78
35	0.554
50	0.386
70	0.272
95	0.206
120	0.161
150	0.129
185	0.106
240	0.0801
300	0.0641
400	0.0486
500	0.0384
630	0.0287

CONDUCTOR CROSS SECTION AREA	SINGLE-PHASE A.C. OR D.C.	THREE-PHASE A.C. OR D.C.	SINGLE-PHASE A.C. OR D.C.
	1 TWO CORE CABLE	1THREE, FOUR OR FVE CORE CABLE	2 SINGLE CORE CABLE
mm ²	A	A	A
4	30	27	-
6	39	34	-
10	51	47	-
16	73	63	-
25	97	83	-
35	-	102	140
50	-	124	175
70	-	158	216
95	-	192	258
120	-	222	302
150	-	255	347
185	-	291	394
240	-	343	471
300	-	394	541
400	-	-	644
500	-	-	738
630	-	-	861

Betteri Connection Cable

CONNECTION CABLE OF BETTERI BC01(FEMALE)&SCHUKO PLUG



Connection: BETTERI BC01(FEMALE)/SCHUKO PLUG

Application: Connecting a microinverter to a Schuko socket

Compatible: Single phase microinverter such as made by Deye, Hoymiles, Envertech.

Cable type: H07RN-F 3G1.5mm²

Cable length: 3m,4m, 5m,10m,20m, etc

Rated voltage: 250V AC

Rated current: 25A

Temperature: -40°C to +85°C

Protection: IP44(Schuko plug)
IP68(Betteri plug)

Feature: Oil, UV and ozone resistant

CONNECTION CABLE OF BETTERI BC01



Connection: BETTERI BC01 (FEMALE)&(MALE)

Application: Connecting two micro inverters

Compatible: Single phase microinverter such as made by Deye, Hoymiles, Envertech.

Cable type: H07RN-F 3G1.5mm²

Cable length: 3m, 4m, 5m,10m, 20m, etc

Rated voltage: 250V AC

Rated current: 25A

Temperature: -40°C to +85°C

Protection: IP68

Feature: Oil, UV and ozone resistant