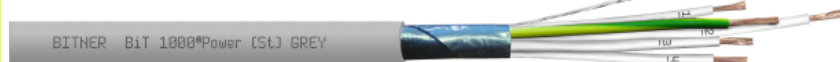
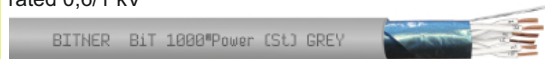


BiT 1000[®]Power (St) GREY



Flexible, screened, flame retardant and oil resistant control and power supply cables, rated 0,6/1 kV



Technical data:

Thermal parameters:

Operating temperature:

fixed installation: -40°C to 80°C

flexible connections: -5°C to 80°C

Max. conductor operating temp.: 90°C

Max. conductor temp. during short-circuit: 250°C

Electrical parameters:

Operating voltage: $U_n/U=0,6/1\text{ kV}$

Test voltage (50Hz): 4000V

Mechanical parameters:

Min. bending radius:

flexible connections: $12 \times \varnothing$

fixed installation: $6 \times \varnothing$

Design:

Conductors:

bare copper conductors, multi-stranded class 5 acc. to EN 60228

Insulation:

XLPE compound

Core identification:

white numbered cores, cables with protective earth conductor marked G (e.g. 7G1,5)

Core arrangement:

cores/pairs twisted together

Screen:

aluminium backed polyester tape with tinned copper drain wire

Outer sheath:

PVC compound, oil resistant (EN 60811-404), self-extinguishing and flame retardant (acc. to EN 60332-1-2, EN 60332-3-24 cat. C), UV resistant; colour: grey

Application:

Flexible, oil resistant and flame retardant screened control cables designed for operation in control and signalling circuits. The cable construction and materials used for its production ensure high flexibility and easy installation. Particularly suitable for installation in industrial facilities, in areas exposed to oil or industrial coolants. Cable appropriate for fixed installation in industrial equipment, process lines and machines operating in dry and humid areas. UV and weather resistance enables external application and direct burial. Cables manufactured in compliance with the **IEC 60502-1** standard. Classified in accordance with the **EN 50575 (CPR)**.

On Customer's request version with tinned copper conductors also available: **BiT 1000[®]POWER (St) GREY TIN**

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
S67350	3G0,75	9,4	109
S67351	4G0,75	10,1	127
S67352	5G0,75	10,8	149
S67353	6G0,75	11,8	169
S67354	7G0,75	11,8	175
S67355	8G0,75	12,8	198
S67356	10G0,75	14,7	244
S67357	12G0,75	14,7	256
S67358	14G0,75	15,3	283
S67359	16G0,75	16,1	315
S67360	18G0,75	16,9	344
S67361	21G0,75	17,6	382
S67362	25G0,75	19,8	451
S67363	3G1,0	9,7	122
S67364	4G1,0	10,4	143
S67365	5G1,0	11,2	167
S67366	6G1,0	12,2	191
S67367	7G1,0	12,2	198
S67368	8G1,0	13,3	225
S67369	10G1,0	15,3	278
S67370	12G1,0	15,3	293
S67371	14G1,0	16,0	325
S67372	16G1,0	16,8	364
S67373	18G1,0	17,6	398
S67374	21G1,0	18,4	443
S67375	25G1,0	20,7	524

Nr. kat	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
S67380	3G1,5	10,1	139
S67381	4G1,5	10,9	164
S67382	5G1,5	11,9	193
S67383	6G1,5	12,8	222
S67384	7G1,5	12,8	232
S67385	8G1,5	14,0	265
S67386	10G1,5	16,1	329
S67387	12G1,5	16,1	350
S67388	14G1,5	16,9	392
S67389	16G1,5	17,7	438
S67390	18G1,5	18,6	483
S67391	21G1,5	19,5	540
S67392	25G1,5	21,9	642
S67393	3G2,5	11,5	180
S67394	4G2,5	12,4	216
S67395	5G2,5	13,4	256
S67396	7G2,5	14,5	314
S67397	8G2,5	15,8	359
S67398	10G2,5	18,4	451
S67399	12G2,5	18,4	486
S67400	14G2,5	19,3	547
S67401	16G2,5	20,3	614
S67402	18G2,5	21,4	682
S67403	21G2,5	22,4	766
S67404	25G2,5	25,3	914
S67405	3G4,0	12,5	235
S67406	4G4,0	13,5	290
S67407	5G4,0	14,6	344

BiT 1000® Power (St) GREY

Flexible, screened, flame retardant and oil resistant control and power supply cables, rated 0,6/1 kV

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
S67410	2x0,75	9,0	101
S67411	3x0,75	9,4	109
S67412	4x0,75	10,1	127
S67413	5x0,75	10,8	149
S67414	6x0,75	11,8	169
S67415	7x0,75	11,8	175
S67416	8x0,75	12,8	198
S67417	10x0,75	14,7	244
S67418	12x0,75	14,7	256
S67419	14x0,75	15,3	283
S67420	16x0,75	16,1	315
S67421	18x0,75	16,9	344
S67422	21x0,75	17,6	382
S67423	25x0,75	19,8	451
S67424	2x1,0	9,3	110
S67425	3x1,0	9,7	122
S67426	4x1,0	10,4	143
S67427	5x1,0	11,2	167
S67428	6x1,0	12,2	191
S67429	7x1,0	12,2	198
S67430	8x1,0	13,3	225
S67431	10x1,0	15,3	278
S67432	12x1,0	15,3	293
S67433	14x1,0	16,0	325
S67434	16x1,0	16,8	364
S67435	18x1,0	17,6	398
S67436	21x1,0	18,4	443
S67437	25x1,0	20,7	524

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
S67440	2x1,5	9,7	125
S67441	3x1,5	10,1	139
S67442	4x1,5	10,9	164
S67443	5x1,5	11,9	193
S67444	6x1,5	12,8	222
S67445	7x1,5	12,8	232
S67446	8x1,5	14,0	265
S67447	10x1,5	16,1	329
S67448	12x1,5	16,1	350
S67449	14x1,5	16,9	392
S67450	16x1,5	17,7	438
S67451	18x1,5	18,6	483
S67452	21x1,5	19,5	540
S67453	25x1,5	21,9	642
S67454	2x2,5	11,0	158
S67455	3x2,5	11,5	180
S67456	4x2,5	12,4	216
S67457	5x2,5	13,4	256
S67458	7x2,5	14,5	314
S67459	8x2,5	15,8	359
S67460	10x2,5	18,4	451
S67461	12x2,5	18,4	486
S67462	14x2,5	19,3	547
S67463	16x2,5	20,3	614
S67464	18x2,5	21,4	682
S67465	21x2,5	22,4	766
S67466	25x2,5	25,3	914
S67467	2x4,0	11,9	194
S67468	3x4,0	12,5	235
S67469	4x4,0	13,5	290
S67470	5x4,0	14,6	344

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
S67475	2x2x0,75	12,3	161
S67476	4x2x0,75	14,6	213
S67477	6x2x0,75	16,1	270
S67478	8x2x0,75	18,6	336
S67479	12x2x0,75	21,2	445
S67480	16x2x0,75	24,0	267
S67481	20x2x0,75	25,8	657
S67482	24x2x0,75	26,5	748
S67483	2x2x1,0	12,7	180
S67484	4x2x1,0	15,2	240
S67485	6x2x1,0	16,8	308
S67486	8x2x1,0	19,5	385
S67487	12x2x1,0	22,2	515
S67488	16x2x1,0	25,2	658
S67489	20x2x1,0	27,1	768
S67490	24x2x1,0	27,9	880
S67491	2x2x1,5	13,4	204
S67492	4x2x1,5	16,0	283
S67493	6x2x1,5	17,7	367
S67494	8x2x1,5	20,6	463
S67495	12x2x1,5	23,5	627
S67496	16x2x1,5	26,7	807
S67497	20x2x1,5	29,0	965
S67498	24x2x1,5	29,8	1110

G – cables with green/yellow earth conductor
x – cables without green/yellow earth conductor

*Outer diameter tolerance: +/-5%

Cable Factory BITNER reserves the right to modify the specifications without prior notice.

Note: on Customer's request other cross sections or number of cores can be produced.