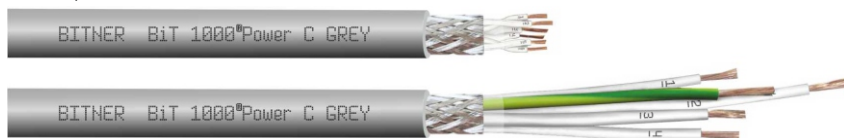


BiT 1000[®] Power C GREY



Flexible, screened, highly flame retardant, 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. permissible conductor temp.: 90 °C
Max. short-circuit temp. at conductor: 250 °C

Electrical parameters:

Operating voltage: $U_i/U = 0,6/1$ kV
Test voltage (50 Hz): 4000 V

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

Core identification:

white, number coded conductors, cables with protective earth conductor marked G (e.g. 7G1,5)

Core arrangement:

cores twisted together or pairs twisted together
tinned copper wire braid, coverage $\geq 85\%$

Screen:

special PVC, oil resistant (EN 60811-404), self-extinguishing and flame retardant

Outer sheath:

(acc. to EN 60332-1-2, EN 60332-3-24, cat. C), UV resistant, LOI>29; colour: grey

Application:

BiT 1000[®] Power C GREY cables are designed for connections in control and signalling circuits. Insulation compounds and construction of BiT 1000[®] Power C GREY cable enable easy and fast connections and ensure their high durability. They are suitable for fixed installations in industrial devices, technological lines and machines operating in dry and damp rooms, especially in applications in places with in places exposed to oil. Cables suitable for outdoor installation - outer sheath is UV resistant. Cables designed also for direct burial in ground. Cables based on IEC 60502-1.

Cables classified according to EN 50575 (CPR).

We can also produce cable with tinned copper wires: BiT 1000[®] POWER C GREY TIN

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S64700	3G0,75	9,6	122	38,8
S64701	4G0,75	10,3	141	48,1
S64702	5G0,75	11,0	164	57,2
S64703	6G0,75	12,0	197	78,9
S64704	7G0,75	12,0	202	86,1
S64705	8G0,75	13,0	231	98,5
S64706	10G0,75	14,9	284	121,2
S64707	12G0,75	14,9	297	135,6
S64708	14G0,75	15,5	325	152,3
S64709	16G0,75	16,3	361	170,9
S64710	18G0,75	17,1	394	188,9
S64711	21G0,75	17,8	433	213,8
S64712	25G0,75	20,0	511	252,0

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S64713	3G1,0	9,9	133	46,6
S64714	4G1,0	10,6	154	58,4
S64715	5G1,0	11,6	194	82,9
S64716	6G1,0	12,4	220	95,3
S64717	7G1,0	12,4	236	104,9
S64718	8G1,0	13,5	257	119,6
S64719	10G1,0	15,5	318	147,5
S64720	12G1,0	15,5	332	166,7
S64721	14G1,0	16,2	368	189,3
S64722	16G1,0	17,0	409	212,0
S64723	18G1,0	17,8	447	235,4
S64724	21G1,0	18,6	494	267,3
S64725	25G1,0	21,1	607	337,2

*Outer diameter tolerance: +/-5%

G - cables with green/yellow earthing conductor

x - cables without green/yellow earthing conductor

Note: On customer's request other cross sections or number of cores can be produced

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

BiT 1000[®] Power C GREY

Flexible, screened, highly flame retardant, 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]	Cu [kg/km]
S64726	3G1,5	10,3	150	62,5
S64727	4G1,5	11,1	177	79,3
S64728	5G1,5	12,1	220	108,4
S64729	6G1,5	13,0	253	127,3
S64730	7G1,5	13,0	264	141,7
S64731	8G1,5	14,2	304	165,6
S64732	10G1,5	16,3	373	199,7
S64733	12G1,5	16,3	394	228,5
S64734	14G1,5	17,1	438	260,9
S64735	16G1,5	17,9	487	293,3
S64736	18G1,5	18,8	536	326,5
S64737	21G1,5	19,7	597	373,5
S64738	25G1,5	22,3	730	464,5
S64739	3G2,5	11,7	207	107,0
S64740	4G2,5	12,6	244	134,5
S64741	5G2,5	13,6	290	163,0
S64742	7G2,5	14,7	351	216,3
S64743	8G2,5	16,0	402	246,0
S64744	10G2,5	18,6	503	305,7
S64745	12G2,5	18,6	537	353,7
S64746	14G2,5	19,5	603	406,5
S64747	16G2,5	20,7	699	484,0
S64748	18G2,5	21,8	774	538,8
S64749	21G2,5	22,8	864	616,3
S64750	25G2,5	25,7	1026	730,9
S64751	3G4,0	12,7	264	154,2
S64752	4G4,0	13,7	324	198,6
S64753	5G4,0	14,8	382	240,6

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S64760	2x0,75	9,2	112	30,2
S64761	3x0,75	9,6	122	38,8
S64762	4x0,75	10,3	141	48,1
S64763	5x0,75	11,0	164	57,2
S64764	6x0,75	12,0	197	78,9
S64765	7x0,75	12,0	202	86,1
S64766	8x0,75	13,0	231	98,5
S64767	10x0,75	14,9	284	121,2
S64768	12x0,75	14,9	297	135,6
S64769	14x0,75	15,5	325	152,3
S64770	16x0,75	16,3	361	170,9
S64771	18x0,75	17,1	394	188,9
S64772	21x0,75	17,8	433	213,8
S64773	25x0,75	20,0	511	252,0
S64774	2x1,0	9,5	121	36,4
S64775	3x1,0	9,9	133	46,6
S64776	4x1,0	10,6	154	58,4
S64777	5x1,0	11,6	194	82,9
S64778	6x1,0	12,4	220	95,3
S64779	7x1,0	12,4	236	104,9
S64780	8x1,0	13,5	257	119,6
S64781	10x1,0	15,5	318	147,5
S64782	12x1,0	15,5	332	166,7
S64783	14x1,0	16,2	368	189,3
S64784	16x1,0	17,0	409	212,0
S64785	18x1,0	17,8	447	235,4
S64786	21x1,0	18,6	494	267,3
S64787	25x1,0	21,1	607	337,2
S64788	2x1,5	9,9	135	46,6
S64789	3x1,5	10,3	150	62,5
S64790	4x1,5	11,1	177	79,3
S64791	5x1,5	12,1	220	108,4
S64792	6x1,5	13,0	253	127,3
S64793	7x1,5	13,0	264	141,7
S64794	8x1,5	14,2	304	165,6
S64795	10x1,5	16,3	373	199,7
S64796	12x1,5	16,3	394	228,5
S64797	14x1,5	17,1	438	260,9
S64798	16x1,5	17,9	487	293,3
S64799	18x1,5	18,8	536	326,5
S64800	21x1,5	19,7	597	373,5
S64801	25x1,5	22,3	730	464,5
S64802	2x2,5	11,0	170	69,2
S64803	3x2,5	11,7	207	107,0
S64804	4x2,5	12,6	244	134,5
S64805	5x2,5	13,6	290	163,0
S64806	7x2,5	14,7	351	216,3
S64807	8x2,5	16,0	402	246,0
S64808	10x2,5	18,6	503	305,7
S64809	12x2,5	18,6	537	353,7
S64810	14x2,5	19,5	603	406,5
S64811	16x2,5	20,7	699	484,0
S64812	18x2,5	21,8	774	538,8
S64813	21x2,5	22,8	864	616,3
S64814	25x2,5	25,7	1026	730,9
S64815	2x4,0	12,1	221	113,2
S64816	3x4,0	12,7	264	154,2
S64817	4x4,0	13,7	324	198,6
S64818	5x4,0	14,8	382	240,6

*Outer diameter tolerance: +/-5%

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