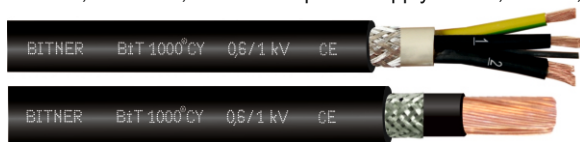


# BiT 1000<sup>®</sup>CY



Flexible, screened, 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

### Electrical parameters:

Operating voltage:  $U_0/U = 0,6/1$  kV

Test voltage (50 Hz): 4000 V

Insulation resistance: 20 MΩxkm

### 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:

PVC compound

### Core identification:

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

### Core arrangement:

cores twisted together

### Inner sheath:

PVC compound (single core cables without inner sheath)

### Screen:

tinned copper wire braid with coverage  $\geq 85\%$

### Outer sheath:

PVC compound, oil resistant (see table of chemical  
resistance), self-extinguishing and flame retardant  
(acc. to EN 60332-1-2), UV resistant; colour: black

## Application:

BiT 1000<sup>®</sup>CY cables are designed for connections in control and signalling circuits, as power supply cables for mobile and portable devices in places exposed to vibrations. Insulation compounds and construction of BiT 1000<sup>®</sup>CY cable enable easy and fast connections and ensure their high durability. They are suitable for fixed installations and for flexible connections in industrial devices, technological lines and machines operating in dry and damp rooms. Cables suitable for outdoor installation - outer sheath is UV resistant. **Cables designed also for direct burial in ground.** Properly connected screen ensures full electromagnetic compatibility (EMC). Cables classified according to **EN 50575 (CPR)**.

Cat. no.	n x mm <sup>2</sup>	Outer diameter* [mm]	Approximate cable weight [kg/km]
S65900	2x0,5	9,6	136
S65901	3G0,5	10,0	148
S65902	4G0,5	10,6	168
S65903	5G0,5	11,2	190
S65904	6G0,5	12,0	216
S65905	7G0,5	12,0	220
S65906	8G0,5	13,1	255
S65907	10G0,5	14,9	315
S65908	12G0,5	14,9	320
S65909	14G0,5	15,4	345
S65910	16G0,5	16,3	390
S65911	18G0,5	17,1	425
S65961	19G0,5	17,1	425
S65962	20G0,5	17,8	460
S65912	21G0,5	17,8	460
S62591	25G0,5	20,0	555
S65913	30G0,5	20,6	600
S65963	37G0,5	22,2	700
S62592	2x0,75	9,8	150
S62593	3G0,75	10,2	166
S62594	4G0,75	10,9	190
S62595	5G0,75	11,8	220
S65915	6G0,75	12,6	245
S62596	7G0,75	12,6	250
S65916	8G0,75	13,8	290
S65917	10G0,75	15,7	355
S62597	12G0,75	15,7	370

Cat. no.	n x mm <sup>2</sup>	Outer diameter* [mm]	Approximate cable weight [kg/km]
S65918	14G0,75	16,5	410
S65919	16G0,75	17,3	450
S62598	18G0,75	18,1	490
S65964	19G0,75	18,1	495
S65965	20G0,75	19,0	545
S65920	21G0,75	19,0	550
S62599	25G0,75	21,2	645
S62647	2x1,0	10,1	162
S62648	3G1,0	10,8	182
S62649	4G1,0	11,2	210
S62642	5G1,0	12,2	240
S65927	6G1,0	13,2	275
S62643	7G1,0	13,2	280
S65928	8G1,0	14,3	320
S62634	10G1,0	16,5	405
S62644	12G1,0	16,5	420
S65929	14G1,0	17,2	460
S65930	16G1,0	18,0	505
S62645	18G1,0	18,8	555
S65966	19G1,0	18,8	560
S65967	20G1,0	19,8	610
S65931	21G1,0	19,8	615
S62646	25G1,0	22,3	750
S62635	2x1,5	11,1	192
S62636	3G1,5	11,4	215
S62637	4G1,5	12,4	260
S62638	5G1,5	13,5	295

# BIT 1000<sup>®</sup> CY

Flexible, screened, control and power supply cables, rated 0,6/1 kV

Cat. no.	n x mm <sup>2</sup>	Outer diameter* [mm]	Approximate cable weight [kg/km]
S65941	6G1,5	14,4	335
S62639	7G1,5	14,4	345
S65942	8G1,5	15,6	395
S65943	10G1,5	18,2	500
S62640	12G1,5	18,2	520
S62650	2x2,5	12,2	234
S62651	3G2,5	12,9	270
S62652	4G2,5	13,9	317
S62653	5G2,5	15,0	375
S62654	7G2,5	16,3	454
S62655	10G2,5	20,6	622
S62656	14G2,5	21,6	813
S62657	16G2,5	22,9	914
S62658	18G2,5	24,5	1008
S62659	25G2,5	29,0	1267
S62660	2x4	13,4	289
S62661	3G4	14,0	342
S62662	4G4	15,2	408
S62663	5G4	16,5	488
S62664	7G4	17,7	618
S62665	10G4	22,8	865
S62666	3G6	15,3	431
S62667	4G6	16,9	541
S62668	5G6	18,1	644
S62669	7G6	19,7	798
S62670	3G10	18,7	687
S62671	4G10	20,8	832

Cat. no.	n x mm <sup>2</sup>	Outer diameter* [mm]	Approximate cable weight [kg/km]
S62672	5G10	22,2	1004
S62673	7G10	24,2	1256
S62674	3G16	21,1	933
S62675	4G16	23,4	1142
S62676	5G16	25,3	1389
S62677	7G16	27,4	1790
S62678	3G25	25,7	1423
S62679	4G25	28,6	1790
S62680	5G25	30,8	2159
S62681	3G35	27,9	1855
S62682	4G35	31,4	2316
S62683	5G35	33,9	2795
S62684	3G50	33,0	2532
S62685	4G50	36,8	3164
S62686	5G50	39,9	3861
S62687	3G70	37,7	3393
S62688	4G70	42,0	4245
S62689	5G70	45,6	5164
S62690	3G95	42,4	4439
S62691	4G95	47,5	5578
S62692	5G95	52,1	6807
S62693	3G120	44,9	5330
S62694	4G120	50,9	6730
S62695	4G150	57,5	8509
S62696	4G185	64,1	10495
S62697	4G240	71,1	13153

## single core cables

Cat. no.	n x mm <sup>2</sup>	Outer diameter* [mm]	Approximate cable weight [kg/km]
S62600	1x1,5	7,8	90
S62601	1x2,5	8,4	110
S62602	1x4	10,1	176
S62603	1x6	10,7	210
S62604	1x10	12,0	291
S62605	1x16	13,2	387
S62606	1x25	15,0	453
S62607	1x35	16,0	550
S62608	1x50	18,5	748
S62609	1x70	20,5	976
S62610	1x95	23,0	1268
S62611	1x120	24,5	1536
S62612	1x150	27,2	1875
S62613	1x185	30,2	2242
S62614	1x240	33,2	2883
S62615	1x300	36,7	3618

Cat. no.	n x mm <sup>2</sup>	Outer diameter* [mm]	Approximate cable weight [kg/km]
S62616	1G1,5	7,8	90
S62617	1G2,5	8,4	110
S62618	1G4	10,1	176
S62619	1G6	10,7	210
S62620	1G10	12,0	291
S62621	1G16	13,2	387
S62622	1G25	15,0	453
S62623	1G35	16,0	550
S62624	1G50	18,5	748
S62625	1G70	20,5	976
S62626	1G95	23,0	1268
S62627	1G120	24,5	1536
S62628	1G150	27,2	1875
S62629	1G185	30,2	2242
S62630	1G240	33,2	2883
S62631	1G300	36,7	3618

\*Outer diameter tolerance: +/-5%

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

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