

BIT 750[®] Flexible control and power supply cables with number coloured, rated 450/750V



industrial application



internal application



EN 60332-1



high flexibility

Technical data:

Flexible control and power supply cable with coloured conductors, PVC insulation and sheath

Operating temperature:

Fixed installation: -40°C to 80°C

Flexible connections: -5°C to 80°C

Operating voltage:

$U_n/U=450/750V$

$U_n/U=0,6/1kV^*$

Test voltage (50Hz): 4000V

Insulation resistance: 20MΩxkm

Min. bending radius:

Flexible connections: 10xØ

Fixed installations: 5xØ

*fixed and protected installation

Design:

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

Insulation: special PVC

Core identification: coloured conductors acc. to the table (technical parameters)

Core arrangement: cores twisted together

Inner sheath: special PVC (cables with a conductor cross-section of 1.5mm² and 2.5mm² and 1x4mm² cable are made without the inner sheath)

Outer sheath: special PVC, oil resistant (see table of chemical resistance), self-extinguishing and flame retardant (acc. to EN 60332-1, EN 50265, IEC 60332-1).

Outer sheath colour: grey

Application:

Flexible control cables designed for operation in control and protective devices as well as in control circuits. Also for power supply to low power portable and mobile devices. They are suitable for fixed installations and for flexible connections in industrial devices, technological lines and machines operating in dry damp rooms. For use indoors. For outdoor and direct burial installation BIT 750[®] cable is recommended. High flexibility of BIT 750[®] cable enables easy and fast connections and ensures their high durability.

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S61658	1x1,5	4,6	34	14,4
S61576	2x1,5	7,9	92	28,8
S61577	3x1,5	8,3	110	43,2
S61578	3G1,5	8,3	110	43,2
S61579	4x1,5	9,5	142	57,6
S61580	4G1,5	9,5	142	57,6
S61581	5x1,5	10,3	171	72,0
S61582	5G1,5	10,3	171	72,0
S61583	6x1,5	11,2	201	86,4
S61584	6G1,5	11,2	201	86,4
S61585	7x1,5	11,2	210	100,8
S61586	7G1,5	11,2	210	100,8
S61587	10x1,5	14,5	330	144,0
S61588	10G1,5	14,5	330	144,0
S61589	12x1,5	14,9	349	172,8
S61590	12G1,5	14,9	349	172,8
S61591	14G1,5	15,7	392	201,6
S61592	16G1,5	16,5	442	230,4
S61593	18G1,5	17,4	492	259,2
S61594	24x1,5	20,4	701	345,6
S61595	24G1,5	20,7	647	345,6
S61596	30G1,5	21,9	768	432,0
S61597	37G1,5	24,0	941	532,8
S61598	48G1,5	27,3	1189	691,2
S61599	61G1,5	30,2	1491	878,4
S61668	1x2,5	5,2	46	24,0
S61600	2x2,5	9,0	125	48,0
S61601	3G2,5	9,9	162	72,0

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S61602	3x2,5	9,9	162	72,0
S61603	4G2,5	10,8	196	96,0
S61604	4x2,5	10,8	196	96,0
S61605	5G2,5	11,8	237	120,0
S61606	5x2,5	11,8	237	120,0
S61607	6G2,5	13,3	292	144,0
S61608	7G2,5	13,3	308	168,0
S61610	10G2,5	16,7	461	240,0
S61660	12G2,5	17,2	492	288,0
S61661	14G2,5	18,1	555	336,0
S61611	16G2,5	19,5	646	384,0
S61612	18G2,5	20,6	720	432,0
S61662	24G2,5	24,4	944	576,0
S61663	30G2,5	25,8	1126	720,0
S61664	37G2,5	27,9	1349	888,0
S61665	48G2,5	32,2	1744	1152,0
S61616	61G2,5	35,6	2186	1464,0
S61659	1x4	6,1	69	38,4
S61617	2x4	12,2	244	76,8
S63200	3x4	13,2	301	115,2
S61618	3G4	13,2	301	115,2
S61619	4G4	14,4	363	153,6
S61620	5G4	15,4	424	192,0
S61621	7G4	16,6	519	268,8
S61666	10G4	21,0	741	384,0
S61669	1x6	6,6	88	57,6
S63201	3x6	14,3	374	172,8
S61623	3G6	14,3	374	172,8

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S61624	4G6	15,6	456	230,4
S61625	5G6	16,8	537	288,0
S61626	7G6	18,1	664	403,2
S62735	10G6	23,0	949	576,0
S61674	1x10	7,7	134	96,0
S63202	3x10	17,0	571	288,0
S61627	3G10	17,0	571	288,0
S61628	4G10	18,7	703	384,0
S61629	5G10	20,5	854	480,0
S61630	7G10	22,2	1063	672,0
S61677	1x16	8,6	190	153,6
S63203	3x16	19,4	799	460,8
S61631	3G16	19,4	799	460,8
S61632	4G16	21,3	992	614,4
S61633	5G16	23,0	1181	768,0
S61634	7G16	25,3	1521	1075,2
S61681	1x25	11,0	321	240,0
S63204	3x25	24,5	1309	720,0
S61635	3G25	24,5	1309	720,0
S61636	4G25	27,0	1633	960,0
S61637	5G25	29,6	1979	1200,0
S61683	1x35	12,0	395	336,0
S63205	3x35	26,6	1593	1008,0
S61638	3G35	26,6	1593	1008,0
S61639	4G35	29,9	2023	1344,0

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
S61640	5G35	32,3	2420	1680,0
S63219	1x50	14,4	560	480,0
S63206	3x50	31,3	2212	1440,0
S61641	3G50	31,3	2212	1440,0
S61642	4G50	35,2	2810	1920,0
S61643	5G50	38,1	3371	2400,0
S61686	1x70	16,2	771	672,0
S63207	3x70	36,0	3061	2016,0
S61644	3G70	36,0	3061	2016,0
S61645	4G70	40,0	3856	2688,0
S61646	5G70	43,7	4681	3360,0
S61688	1x95	18,3	1001	912,0
S63208	3x95	40,5	3940	2736,0
S61647	3G95	40,5	3940	2736,0
S61648	4G95	45,5	5023	3648,0
S61649	5G95	49,4	6052	4560,0
S61655	1x120	19,9	1245	1152,0
S63209	3x120	43,4	4774	3456,0
S61650	3G120	43,4	4774	3456,0
S61651	4G120	48,3	6054	4608,0
S61693	1x150	22,6	1531	1440,0
S61652	4G150	55,9	7629	5760,0
S61653	4G185	62,7	9600	7104,0
S61654	4G240	68,4	11609	7104,0

*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