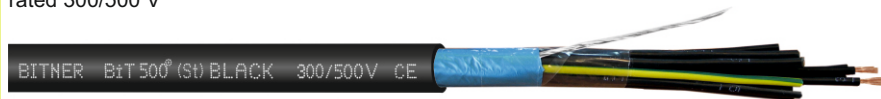


BiT 500[®] (St) BLACK



Flexible, screened control cables for outdoor applications, with number coded conductors, rated 300/500 V



Technical data:

Thermal parameters:

Operating temperature:

fixed installation: -40 °C to 80 °C
flexible connections: -5 °C to 80 °C

Electrical parameters:

Operating voltage: $U_0/U = 300/500$ V

Test voltage (50 Hz): 3000 V

Insulation resistance: 20 MΩ x km

Mechanical parameters:

Min. bending radius:

fixed installation: 10 x Ø

flexible connections: 6 x Ø

Design:

Conductors:

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

Insulation:

PVC compound

Core identification:

black, number coded conductors

Core arrangement:

cores twisted together or pairs twisted together

Screen:

aluminum backed polyester tape with tinned copper drain wire

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:

Flexible control cables designed for operation in control and protective devices as well as in control circuits. Common screen improves protection of transmitted signals against external electromagnetic field. 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.

Designed for direct burial in ground. Insulation materials and conductor construction in BiT 500[®] (St) BLACK cables enable easy and fast connections and ensure their high durability. Cables classified according to **EN 50575 (CPR)**.

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
S59078	2x0,5	7,0	66
S59079	3G0,5	7,3	70
S59080	3x0,5	7,3	70
S59081	4G0,5	7,8	82
S59082	4x0,5	7,8	82
S59083	5G0,5	8,3	94
S59084	5x0,5	8,3	94
S59085	6G0,5	8,8	106
S59086	7G0,5	8,8	110
S59087	7x0,5	8,8	110
S59088	8G0,5	9,7	126
S59089	8x0,5	9,7	126
S59090	10G0,5	11,0	154
S59091	12G0,5	11,0	162
S59092	12x0,5	11,0	162
S59093	14G0,5	11,4	180
S59094	16G0,5	12,0	200
S59095	18G0,5	12,5	220
S59096	19G0,5	12,5	225
S59097	21G0,5	13,0	245
S59098	25G0,5	14,5	290
S59099	27G0,5	14,5	295
S59100	30G0,5	15,0	320
S59101	34G0,5	16,0	365
S59102	37G0,5	16,0	375
S59103	40G0,5	17,1	425

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
S59104	42G0,5	18,3	455
S59105	50G0,5	19,2	525
S59106	56G0,5	19,8	570
S59107	61G0,5	20,3	605
S59108	2x0,75	7,4	74
S59109	3G0,75	7,7	82
S59110	3x0,75	7,7	82
S59111	4G0,75	8,3	96
S59112	4x0,75	8,3	96
S59113	5G0,75	8,8	112
S59114	5x0,75	8,8	112
S59115	6G0,75	9,4	128
S59116	6x0,75	9,4	128
S59117	7G0,75	9,4	132
S59118	7x0,75	9,4	132
S59119	8G0,75	10,4	152
S59120	8x0,75	10,4	152
S59121	10G0,75	11,8	188
S59122	12G0,75	11,8	198
S59123	12x0,75	11,8	198
S59124	14G0,75	12,3	225
S59125	16G0,75	12,9	250
S59126	18G0,75	13,5	275
S59127	19G0,75	13,5	280
S59128	21G0,75	14,1	305
S59129	25G0,75	15,7	365

BIT 500[®] (St) BLACK

Flexible, screened control cables for outdoor applications, with number coded conductors, rated 300/500 V

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
S59130	27G0,75	15,7	375
S59131	30G0,75	16,2	405
S59132	34G0,75	18,0	490
S59133	37G0,75	18,0	505
S59134	40G0,75	18,6	540
S59135	42G0,75	20,1	590
S59136	50G0,75	20,9	670
S59137	56G0,75	21,5	725
S59138	61G0,75	22,1	775
S59139	2x1,0	7,7	84
S59140	3G1,0	8,1	94
S59141	3x1,0	8,1	94
S59142	4G1,0	8,6	110
S59143	4x1,0	8,6	110
S59144	5G1,0	9,2	128
S59145	5x1,0	9,2	128
S59146	6G1,0	9,8	148
S59147	6x1,0	9,8	148
S59148	7G1,0	9,8	154
S59149	7x1,0	9,8	154
S59150	8G1,0	10,9	178
S59151	10G1,0	12,5	225
S59152	10x1,0	12,5	225
S59153	12G1,0	12,5	235
S59154	12x1,0	12,5	235
S59155	14G1,0	13,0	265
S59156	16G1,0	13,6	295
S59157	18G1,0	14,2	325
S59158	18x1,0	14,2	325
S59159	19G1,0	14,2	330
S59160	21G1,0	14,9	365
S59161	25G1,0	17,3	455
S59162	27G1,0	17,3	470
S59163	30G1,0	17,8	510
S59164	34G1,0	19,2	590
S59165	37G1,0	19,2	610
S59166	40G1,0	19,9	655
S59167	42G1,0	21,3	700
S59168	50G1,0	22,2	805
S59169	56G1,0	23,2	895
S59170	61G1,0	23,8	955
S59171	2x1,5	8,5	102
S59172	3G1,5	8,9	116
S59173	3x1,5	8,9	116
S59174	4G1,5	9,6	140
S59175	4x1,5	9,6	140
S59176	5G1,5	10,3	164
S59177	5x1,5	10,3	164
S59178	6G1,5	11,2	192
S59179	6x1,5	11,2	192
S59180	7G1,5	11,2	205
S59181	7x1,5	11,2	205

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
S59182	8G1,5	12,2	235
S59183	10G1,5	14,1	290
S59184	10x1,5	14,1	290
S59185	12G1,5	14,1	310
S59186	12x1,5	14,1	310
S59187	14G1,5	14,7	350
S59188	16G1,5	15,5	395
S59189	18G1,5	16,2	435
S59190	19G1,5	16,2	445
S59191	21G1,5	17,6	515
S59192	25G1,5	19,9	620
S59193	27G1,5	19,9	640
S59194	30G1,5	20,6	700
S59195	34G1,5	22,0	800
S59196	37G1,5	22,0	830
S59197	40G1,5	23,2	915
S59198	42G1,5	24,9	980
S59199	50G1,5	26,5	1160
S59200	56G1,5	27,3	1260
S59201	61G1,5	28,0	1350
S59202	2x2,5	9,6	130
S59203	3G2,5	10,1	154
S59204	3x2,5	10,1	154
S59205	4G2,5	10,9	188
S59206	4x2,5	10,9	188
S59207	5G2,5	11,8	225
S59208	5x2,5	11,8	225
S59209	6G2,5	12,9	270
S59210	6x2,5	12,9	270
S59211	7G2,5	12,9	285
S59212	7x2,5	12,9	285
S59213	10G2,5	17,0	435
S59214	12G2,5	17,0	465
S59215	12x2,5	17,0	465
S59216	14G2,5	17,8	525
S59217	16G2,5	18,7	590
S59218	18G2,5	19,8	670
S59219	21G2,5	20,7	750
S59220	25G2,5	23,7	920
S59221	30G2,5	24,5	1040
S59222	34G2,5	26,9	1230
S59223	37G2,5	26,9	1280
S59224	42G2,5	29,9	1470
S59225	50G2,5	31,2	1690
S59226	2x4,0	11,1	180
S59227	3G4,0	11,7	220
S59228	3x4,0	11,7	220
S59229	4G4,0	12,7	275
S59230	5G4,0	13,7	330
S59231	7G4,0	14,8	415
S59232	10G4,0	19,9	645
S59233	12G4,0	19,9	700

BiT 500[®] (St) BLACK

Flexible, screened control cables for outdoor applications, with number coded conductors, rated 300/500 V

paired cables

Cat. no.	n x 2 x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
S59234	2x2x0,5	9,3	102
S59235	3x2x0,5	10,2	116
S59236	4x2x0,5	10,9	134
S59237	5x2x0,5	11,6	160
S59238	6x2x0,5	12,0	170
S59239	7x2x0,5	13,2	194
S59240	8x2x0,5	13,7	215
S59241	10x2x0,5	14,6	250
S59242	12x2x0,5	15,5	285
S59243	14x2x0,5	16,3	320
S59244	16x2x0,5	18,0	385
S59245	18x2x0,5	18,7	415
S59246	20x2x0,5	19,4	455
S59247	24x2x0,5	19,9	515
S59248	2x2x0,75	10,0	120
S59249	3x2x0,75	11,0	136
S59250	4x2x0,75	11,7	160
S59251	5x2x0,75	12,5	196
S59252	6x2x0,75	12,9	210
S59253	7x2x0,75	14,3	240
S59254	8x2x0,75	14,9	265
S59255	10x2x0,75	15,8	310
S59256	12x2x0,75	17,4	380
S59257	14x2x0,75	18,4	425
S59258	16x2x0,75	19,8	490
S59259	18x2x0,75	20,5	525
S59260	20x2x0,75	21,1	570
S59261	24x2x0,75	21,7	650
S59262	2x2x1,0	10,5	138
S59263	3x2x1,0	11,5	156
S59264	4x2x1,0	12,4	188
S59265	5x2x1,0	13,2	230
S59266	6x2x1,0	13,6	245
S59267	7x2x1,0	15,1	280

Cat. no.	n x 2 x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
S59268	8x2x1,0	15,7	310
S59269	10x2x1,0	17,4	390
S59270	12x2x1,0	18,4	445
S59271	14x2x1,0	19,7	510
S59272	16x2x1,0	20,9	580
S59273	18x2x1,0	21,8	625
S59274	20x2x1,0	22,8	700
S59275	24x2x1,0	23,4	800
S59276	2x2x1,5	11,7	174
S59277	3x2x1,5	13,0	200
S59278	4x2x1,5	14,0	245
S59279	5x2x1,5	15,0	300
S59280	6x2x1,5	15,5	325
S59281	7x2x1,5	17,8	395
S59282	8x2x1,5	18,6	435
S59283	10x2x1,5	20,0	525
S59284	12x2x1,5	21,3	605
S59285	14x2x1,5	22,9	705
S59286	16x2x1,5	24,4	805
S59287	18x2x1,5	25,4	870
S59288	20x2x1,5	26,8	980
S59289	24x2x1,5	27,5	1130
S59290	2x2x2,5	13,5	235
S59291	3x2x2,5	15,0	275
S59292	4x2x2,5	16,3	335
S59293	5x2x2,5	18,1	440
S59294	6x2x2,5	18,7	485
S59295	7x2x2,5	21,0	565
S59296	8x2x2,5	21,9	625
S59297	10x2x2,5	23,9	770
S59298	12x2x2,5	25,4	890
S59299	14x2x2,5	27,5	1050
S59300	16x2x2,5	29,3	1200

*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