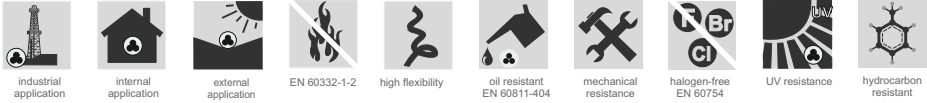
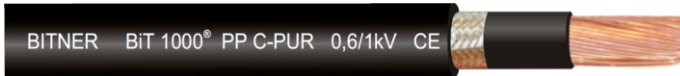


BiT 1000[®] PP C-PUR

RoHS 2015/863/EU
LVD 2014/35/EU
CPR
CPR 305/2011
24 months warranty

Power control cables 0,6/1 kV

Flexible power cable for very high mechanical requirements 0,6/1 kV



Technical Data:

Thermal parameters:

Operating temperature:
fixed systems: -40 °C to 90 °C
mobile systems: -20 °C to 90 °C
temp. at conductor: 90 °C

Electrical parameters:

Operating voltage: $U_0/U = 0,6/1$ kV
Test voltage 50 Hz: 4000 V

Mechanical parameters:

Min. bending radius:
flexible connections: 6 x \varnothing
fixed installations: 6 x \varnothing

Design:

Conductor: bare copper conductors, multi-stranded class 6 acc. to IEC 60228
Insulation: PP
Core identification: white with black numerals with or without GNYE; single cores black or GNYE
Core arrangement: cores stranded in layers
Inner sheath: PUR, only cables with 2, 3, 4 and 5 cores
Overall shield: copper braid tinned, coverage ca. 85 %
Outer sheath: PUR (EN 60332-1-2, IEC 60332-1-2); colour: black

Application:

Halogen-free power cable for high mechanical requirements and frequent bending. Especially for use in trolley systems, drag chains on moving parts of machines, conveyor facilities (for travelling speed on cable trolleys up to 240 m/min). Permanent tensile load without supporting element max. 25 N/mm² of dynamic load. Suitable for dry and damp rooms and for outdoor use. Cables classified according to **EN 50575 (CPR)**.

Single core cables

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
BS2101	1x25	12,4	340
BS2102	1x35	13,7	450
BS2103	1x50	15,8	635
BS2104	1x70	17,9	835
BS2105	1x95	20,2	1100

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
BS2106	1x120	21,3	1390
BS2107	1x150	24,0	1655
BS2108	1x185	26,6	1975
BS2109	1x240	31,3	2600

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
BS2110	2x1,5	10,7	151
BS2113	4x1,5	11,8	193
BS2112	5x1,5	12,5	222
BS2114	7x1,5	12,2	229
BS2115	12x1,5	14,6	340
BS2116	18x1,5	16,8	380
BS2121	4x2,5	13,4	265
BS2122	5x2,5	14,3	310
BS2124	12x2,5	17,3	515

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
BS2125	18x2,5	20,0	710
BS2128	4x4	14,5	350
BS2129	5x4	15,5	410
BS2130	4x6	15,7	425
BS2132	4x10	18,6	630
BS2134	4x16	21,8	970
BS2136	4x25	26,8	1415
BS2138	4x35	30,3	1935
BS2139	4x50	35,8	2740

*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