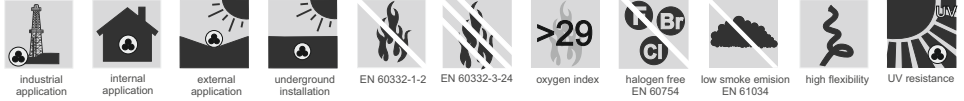


BiT 1000[®]H



Power control cables 0,6/1 kV

Flexible, halogen-free 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:

special halogen-free compound

Core identification:

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

Core arrangement:

cores twisted together

Inner sheath:

special halogen-free compound for sections over 2,5 mm² (single core or paired cables without inner sheath)

Outer sheath:

special halogen-free compound, self-extinguishing and flame retardant (acc. to EN 60332-1-2, EN 60332-3-24, cat. C); UV resistant, colour: black

Application:

BiT 1000[®]H cables are suitable for fixed installations and for flexible connections in industrial devices, technological lines and machines operating in dry and damp rooms, especially in applications in places with increased fire safety requirements (limited flame propagation). **Cables designed also for direct burial in ground.** Cables classified according to **EN 50575 (CPR)**.

| Cat. no. | n x mm ² | Outer diameter* [mm] | Approximate cable weight [kg/km] |
|----------|---------------------|----------------------|----------------------------------|
| H60750 | 2x0,5 | 8,0 | 86 |
| H60751 | 3G0,5 | 8,4 | 97 |
| H63000 | 3x0,5 | 8,4 | 97 |
| H60752 | 4G0,5 | 9,0 | 113 |
| H63001 | 4x0,5 | 9,0 | 113 |
| H60753 | 5G0,5 | 9,6 | 132 |
| H63002 | 5x0,5 | 9,6 | 132 |
| H60754 | 6G0,5 | 10,4 | 151 |
| H60755 | 7G0,5 | 10,4 | 155 |
| H63003 | 7x0,5 | 10,4 | 155 |
| H60756 | 8G0,5 | 11,3 | 179 |
| H63004 | 8x0,5 | 11,3 | 179 |
| H60757 | 10G0,5 | 13,1 | 228 |
| H60758 | 12G0,5 | 13,1 | 236 |
| H63005 | 12x0,5 | 13,1 | 236 |
| H60759 | 14G0,5 | 13,6 | 260 |
| H60760 | 16G0,5 | 14,3 | 290 |
| H60761 | 18G0,5 | 15,1 | 320 |
| H61500 | 21G0,5 | 15,8 | 355 |
| H61501 | 25G0,5 | 17,8 | 425 |
| H61502 | 30G0,5 | 18,4 | 470 |
| H63006 | 32G0,5 | 19,0 | 505 |
| H61503 | 34G0,5 | 19,8 | 540 |
| H63007 | 37G0,5 | 19,8 | 555 |
| H63008 | 42G0,5 | 22,1 | 645 |
| H63009 | 52G0,5 | 23,2 | 755 |
| H63010 | 61G0,5 | 24,7 | 860 |
| H60763 | 2x0,75 | 8,4 | 97 |
| H60764 | 3G0,75 | 8,8 | 111 |
| H63011 | 3x0,75 | 8,8 | 111 |

| Cat. no. | n x mm ² | Outer diameter* [mm] | Approximate cable weight [kg/km] |
|----------|---------------------|----------------------|----------------------------------|
| H60765 | 4G0,75 | 9,5 | 132 |
| H63012 | 4x0,75 | 9,5 | 132 |
| H60766 | 5G0,75 | 10,2 | 153 |
| H63013 | 5x0,75 | 10,2 | 153 |
| H60767 | 6G0,75 | 11,0 | 175 |
| H63014 | 6x0,75 | 11,0 | 175 |
| H60768 | 7G0,75 | 11,0 | 182 |
| H63015 | 7x0,75 | 11,0 | 182 |
| H60769 | 8G0,75 | 12,0 | 211 |
| H63016 | 8x0,75 | 12,0 | 211 |
| H60770 | 10G0,75 | 13,9 | 265 |
| H60771 | 12G0,75 | 13,9 | 280 |
| H63017 | 12x0,75 | 13,9 | 280 |
| H60772 | 14G0,75 | 14,5 | 310 |
| H60773 | 16G0,75 | 15,3 | 345 |
| H60774 | 18G0,75 | 16,1 | 380 |
| H61504 | 21G0,75 | 16,8 | 425 |
| H61505 | 25G0,75 | 19,0 | 510 |
| H61506 | 30G0,75 | 19,6 | 570 |
| H63018 | 32G0,75 | 20,4 | 615 |
| H61507 | 34G0,75 | 21,2 | 655 |
| H61508 | 37G0,75 | 21,2 | 675 |
| H61509 | 42G0,75 | 23,9 | 795 |
| H61510 | 52G0,75 | 24,9 | 920 |
| H61511 | 61G0,75 | 26,7 | 1070 |
| H60776 | 2x1,0 | 8,7 | 106 |
| H60777 | 3G1,0 | 9,2 | 125 |
| H63019 | 3x1,0 | 9,2 | 125 |
| H60778 | 4G1,0 | 9,8 | 147 |
| H63020 | 4x1,0 | 9,8 | 147 |

BIT 1000[®]H

Flexible, halogen-free control and power supply cables, rated 0,6/1 kV

| Cat. no. | n x mm ² | Outer diameter* [mm] | Approximate cable weight [kg/km] |
|----------|---------------------|----------------------|----------------------------------|
| H60779 | 5G1,0 | 10,6 | 171 |
| H63021 | 5x1,0 | 10,6 | 171 |
| H60780 | 6G1,0 | 11,4 | 199 |
| H60781 | 7G1,0 | 11,4 | 206 |
| H63022 | 7x1,0 | 11,4 | 206 |
| H60782 | 8G1,0 | 12,5 | 186 |
| H60783 | 10G1,0 | 14,5 | 300 |
| H63023 | 10x1,0 | 14,5 | 300 |
| H60784 | 12G1,0 | 14,5 | 315 |
| H63024 | 12x1,0 | 14,5 | 315 |
| H60785 | 14G1,0 | 15,2 | 355 |
| H60786 | 16G1,0 | 16,0 | 395 |
| H60787 | 18G1,0 | 16,8 | 440 |
| H61512 | 21G1,0 | 17,6 | 490 |
| H61513 | 25G1,0 | 19,9 | 590 |
| H61514 | 30G1,0 | 20,6 | 660 |
| H63025 | 32G1,0 | 21,4 | 710 |
| H61515 | 34G1,0 | 22,4 | 775 |
| H61516 | 37G1,0 | 22,4 | 795 |
| H61517 | 42G1,0 | 25,1 | 925 |
| H61518 | 52G1,0 | 26,4 | 1085 |
| H61519 | 61G1,0 | 28,0 | 1245 |
| H60789 | 2x1,5 | 9,5 | 131 |
| H60790 | 3G1,5 | 10,0 | 153 |
| H63026 | 3x1,5 | 10,0 | 153 |
| H60791 | 4G1,5 | 10,8 | 184 |
| H63027 | 4x1,5 | 10,8 | 184 |
| H60792 | 5G1,5 | 11,7 | 216 |
| H63028 | 5x1,5 | 11,7 | 216 |
| H60793 | 6G1,5 | 12,6 | 252 |
| H60794 | 7G1,5 | 12,6 | 260 |
| H63029 | 7x1,5 | 12,6 | 260 |
| H60795 | 8G1,5 | 13,8 | 305 |
| H60796 | 10G1,5 | 16,2 | 390 |
| H60797 | 12G1,5 | 16,2 | 410 |
| H63030 | 12x1,5 | 16,2 | 410 |
| H60798 | 14G1,5 | 16,9 | 460 |
| H60799 | 16G1,5 | 17,9 | 515 |
| H60800 | 18G1,5 | 18,8 | 575 |
| H61520 | 21G1,5 | 19,7 | 645 |
| H61521 | 25G1,5 | 22,6 | 785 |
| H61522 | 30G1,5 | 23,4 | 880 |
| H63031 | 32G1,5 | 24,3 | 950 |
| H61523 | 34G1,5 | 25,2 | 1020 |
| H61524 | 37G1,5 | 25,2 | 1050 |
| H61525 | 42G1,5 | 28,7 | 1250 |
| H61526 | 52G1,5 | 29,9 | 1455 |
| H61527 | 61G1,5 | 32,0 | 1690 |
| H60802 | 2x2,5 | 10,6 | 169 |
| H60803 | 3G2,5 | 11,1 | 202 |
| H63032 | 3x2,5 | 11,1 | 202 |
| H60804 | 4G2,5 | 12,1 | 245 |
| H63033 | 4x2,5 | 12,1 | 245 |
| H60805 | 5G2,5 | 13,2 | 290 |
| H63034 | 5x2,5 | 13,2 | 290 |
| H60806 | 7G2,5 | 14,3 | 355 |
| H63035 | 7x2,5 | 14,3 | 355 |

| Cat. no. | n x mm ² | Outer diameter* [mm] | Approximate cable weight [kg/km] |
|----------|---------------------|----------------------|----------------------------------|
| H61529 | 8G2,5 | 15,7 | 415 |
| H61530 | 10G2,5 | 18,4 | 530 |
| H60807 | 12G2,5 | 18,4 | 565 |
| H61531 | 14G2,5 | 19,4 | 635 |
| H60808 | 16G2,5 | 20,5 | 720 |
| H60809 | 18G2,5 | 21,6 | 800 |
| H61532 | 21G2,5 | 22,8 | 915 |
| H61533 | 25G2,5 | 26,1 | 1115 |
| H61534 | 30G2,5 | 27,1 | 1250 |
| H63036 | 32G2,5 | 28,2 | 1350 |
| H63037 | 34G2,5 | 29,5 | 1465 |
| H63038 | 37G2,5 | 29,5 | 1515 |
| H63039 | 42G2,5 | 33,3 | 1775 |
| H63040 | 52G2,5 | 35,0 | 2095 |
| H63041 | 61G2,5 | 37,2 | 2415 |
| H60811 | 2x4 | 12,8 | 275 |
| H60812 | 3G4 | 13,4 | 320 |
| H63042 | 3x4 | 13,4 | 390 |
| H60813 | 4G4 | 14,6 | 460 |
| H60814 | 5G4 | 15,9 | 565 |
| H60815 | 7G4 | 17,1 | 845 |
| H61535 | 10G4 | 22,2 | 1040 |
| H61536 | 14G4 | 23,7 | 108 |
| H63043 | 2x6 | 14,0 | 340 |
| H60817 | 3G6 | 14,7 | 410 |
| H60818 | 4G6 | 16,3 | 505 |
| H60819 | 5G6 | 17,5 | 595 |
| H60820 | 7G6 | 18,9 | 735 |
| H61537 | 10G6 | 25,1 | 1135 |
| H60821 | 3G10 | 18,1 | 640 |
| H60822 | 4G10 | 20,2 | 800 |
| H60823 | 5G10 | 21,6 | 940 |
| H60824 | 7G10 | 23,6 | 1185 |
| H60825 | 3G16 | 20,5 | 875 |
| H60826 | 4G16 | 22,8 | 1095 |
| H60827 | 5G16 | 24,5 | 1300 |
| H60828 | 7G16 | 26,8 | 1650 |
| H60829 | 3G25 | 25,1 | 1345 |
| H60830 | 4G25 | 27,8 | 1670 |
| H60831 | 5G25 | 30,2 | 2005 |
| H60832 | 3G35 | 27,3 | 1670 |
| H60833 | 4G35 | 30,4 | 2100 |
| H60834 | 5G35 | 33,1 | 2530 |
| H60835 | 3G50 | 32,2 | 2335 |
| H60836 | 4G50 | 36,0 | 2935 |
| H60837 | 5G50 | 39,1 | 3540 |
| H60838 | 3G70 | 36,7 | 3150 |
| H60839 | 4G70 | 41,2 | 3995 |
| H60840 | 5G70 | 44,8 | 4820 |
| H60841 | 3G95 | 41,6 | 4145 |
| H60842 | 4G95 | 46,5 | 5235 |
| H60843 | 5G95 | 51,3 | 6415 |
| H60844 | 3G120 | 44,6 | 5035 |
| H60845 | 4G120 | 49,9 | 6390 |
| H60846 | 4G150 | 56,5 | 7975 |
| H60847 | 4G185 | 61,6 | 9610 |
| H60848 | 4G240 | 70,2 | 12380 |

BIT 1000[®]H

Flexible, halogen-free control and power supply cables, rated 0,6/1 kV

paired cables

| Cat. no. | n x 2 x mm ² | Outer diameter* [mm] | Approximate cable weight [kg/km] |
|----------|-------------------------|----------------------|----------------------------------|
| H61560 | 2x2x0,5 | 10,8 | 144 |
| H61561 | 3x2x0,5 | 12,0 | 156 |
| H61562 | 4x2x0,5 | 12,9 | 185 |
| H61563 | 5x2x0,5 | 13,9 | 226 |
| H61564 | 6x2x0,5 | 14,3 | 237 |
| H61565 | 7x2x0,5 | 16,0 | 270 |
| H61566 | 8x2x0,5 | 16,7 | 295 |
| H61567 | 10x2x0,5 | 17,9 | 345 |
| H61568 | 12x2x0,5 | 19,0 | 395 |
| H61569 | 14x2x0,5 | 20,2 | 445 |
| H61570 | 16x2x0,5 | 21,6 | 520 |
| H61571 | 18x2x0,5 | 22,8 | 555 |
| H61572 | 20x2x0,5 | 23,5 | 600 |
| H61573 | 24x2x0,5 | 24,2 | 685 |
| H61574 | 2x2x0,75 | 11,5 | 161 |
| H61575 | 3x2x0,75 | 12,7 | 180 |
| H61576 | 4x2x0,75 | 13,8 | 214 |
| H61577 | 5x2x0,75 | 14,8 | 260 |
| H61578 | 6x2x0,75 | 15,3 | 275 |
| H61579 | 7x2x0,75 | 17,1 | 315 |
| H61580 | 8x2x0,75 | 17,8 | 350 |
| H61581 | 10x2x0,75 | 19,1 | 410 |
| H61582 | 12x2x0,75 | 20,4 | 475 |
| H61583 | 14x2x0,75 | 21,7 | 545 |
| H61584 | 16x2x0,75 | 23,4 | 625 |
| H61585 | 18x2x0,75 | 24,4 | 670 |
| H61586 | 20x2x0,75 | 25,4 | 740 |
| H61587 | 24x2x0,75 | 26,1 | 850 |
| H61588 | 2x2x1,0 | 11,9 | 181 |
| H61589 | 3x2x1,0 | 13,3 | 202 |
| H61590 | 4x2x1,0 | 14,4 | 242 |
| H61591 | 5x2x1,0 | 15,5 | 300 |
| H61592 | 6x2x1,0 | 16,0 | 315 |

| Cat. no. | n x 2 x mm ² | Outer diameter* [mm] | Approximate cable weight [kg/km] |
|----------|-------------------------|----------------------|----------------------------------|
| H61593 | 7x2x1,0 | 17,9 | 360 |
| H61594 | 8x2x1,0 | 18,7 | 400 |
| H61595 | 10x2x1,0 | 20,0 | 475 |
| H61596 | 12x2x1,0 | 21,4 | 545 |
| H61597 | 14x2x1,0 | 22,9 | 630 |
| H61598 | 16x2x1,0 | 24,6 | 735 |
| H61599 | 18x2x1,0 | 25,8 | 790 |
| H61600 | 20x2x1,0 | 26,7 | 860 |
| H61601 | 24x2x1,0 | 27,5 | 990 |
| H61602 | 2x2x1,5 | 13,2 | 221 |
| H61603 | 3x2x1,5 | 14,8 | 251 |
| H61604 | 4x2x1,5 | 16,0 | 300 |
| H61605 | 5x2x1,5 | 17,3 | 375 |
| H61606 | 6x2x1,5 | 17,9 | 400 |
| H61607 | 7x2x1,5 | 20,0 | 465 |
| H61608 | 8x2x1,5 | 21,0 | 515 |
| H61609 | 10x2x1,5 | 22,7 | 625 |
| H61610 | 12x2x1,5 | 24,3 | 720 |
| H61611 | 14x2x1,5 | 26,0 | 835 |
| H61612 | 16x2x1,5 | 27,9 | 970 |
| H61613 | 18x2x1,5 | 29,3 | 1045 |
| H61614 | 20x2x1,5 | 30,3 | 1140 |
| H61615 | 24x2x1,5 | 31,4 | 1335 |
| H61616 | 2x2x2,5 | 15,0 | 285 |
| H61617 | 3x2x2,5 | 16,8 | 330 |
| H61618 | 4x2x2,5 | 18,3 | 405 |
| H61619 | 5x2x2,5 | 19,7 | 510 |
| H61620 | 6x2x2,5 | 20,5 | 550 |
| H61621 | 7x2x2,5 | 23,2 | 645 |
| H61622 | 8x2x2,5 | 24,3 | 715 |
| H61623 | 10x2x2,5 | 26,3 | 875 |
| H61624 | 12x2x2,5 | 28,4 | 1030 |
| H61625 | 14x2x2,5 | 30,2 | 1175 |
| H61626 | 16x2x2,5 | 32,6 | 1370 |

single core cables

| Cat. no. | n x mm ² | Outer diameter* [mm] | Approximate cable weight [kg/km] |
|----------|---------------------|----------------------|----------------------------------|
| H60850 | 1x1,5 | 5,8 | 52 |
| H60851 | 1x2,5 | 6,4 | 66 |
| H60852 | 1x4 | 6,8 | 85 |
| H60853 | 1x6 | 7,4 | 108 |
| H60854 | 1x10 | 8,7 | 156 |
| H60855 | 1x16 | 9,7 | 216 |
| H60856 | 1x25 | 11,4 | 310 |
| H60857 | 1x35 | 12,5 | 410 |
| H60858 | 1x50 | 14,7 | 575 |
| H60859 | 1x70 | 16,6 | 775 |
| H60860 | 1x95 | 18,7 | 1020 |
| H60861 | 1x120 | 20,5 | 1250 |
| H60862 | 1x150 | 22,5 | 1545 |
| H60863 | 1x185 | 25,1 | 885 |
| H60864 | 1x240 | 28,1 | 2440 |
| H60865 | 1x300 | 31,8 | 3190 |
| H60882 | 1x400 | 35,5 | 4135 |
| H60884 | 1x500 | 40,8 | 5180 |

| Cat. no. | n x mm ² | Outer diameter* [mm] | Approximate cable weight [kg/km] |
|----------|---------------------|----------------------|----------------------------------|
| H60866 | 1G1,5 | 5,8 | 52 |
| H60867 | 1G2,5 | 6,4 | 66 |
| H60868 | 1G4 | 6,8 | 85 |
| H60869 | 1G6 | 7,4 | 108 |
| H60870 | 1G10 | 8,7 | 156 |
| H60871 | 1G16 | 9,7 | 216 |
| H60872 | 1G25 | 11,4 | 310 |
| H60873 | 1G35 | 12,5 | 410 |
| H60874 | 1G50 | 14,7 | 575 |
| H60875 | 1G70 | 16,6 | 775 |
| H60876 | 1G95 | 18,7 | 1020 |
| H60877 | 1G120 | 20,5 | 1250 |
| H60878 | 1G150 | 22,5 | 1545 |
| H60879 | 1G185 | 25,1 | 885 |
| H60880 | 1G240 | 28,1 | 2440 |
| H60881 | 1G300 | 31,8 | 3190 |
| H60883 | 1G400 | 35,5 | 4135 |
| H60885 | 1G500 | 40,8 | 5180 |

*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