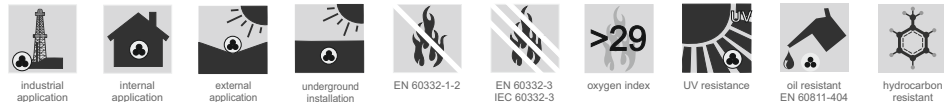


BIT 1100® Power C TIMF GREY



Flame retardant and oil resistant screened power cables 0,6/1 kV



Technical data:

Thermal parameters:

Operating temperature:

fixed installation: -40 °C to 80 °C

flexible connections: -5 °C to 80 °C

Max. conductor operating temp.: 90 °C

Max. conductor temperature

in short-circuit: 250 °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: $10 \times \varnothing$

fixed installation: $6 \times \varnothing$

Design:

Conductors:

bare copper conductors, class 2 acc. to EN 60228

Insulation:

XLPE

Core identification:

core A - black; core B - red; core C - white, number coded

Core arrangement:

cores twisted in triples, electrostatic screen on each triple -

aluminium backed polyester tape, with $0,5 \text{ mm}^2$ copper

drain wire; screened triples twisted together, screened

with polyester tape

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

Screen:

special PVC, oil resistant (acc. to EN 60811-404),

Outer sheath:

self-extinguishing and flame retardant (acc. to EN 60332-1-2,

EN 60332-3-24, IEC 60332-3 cat. C), UV resistant, colour: grey

Application:

Flame retardant and oil-resistant power supply cables designed for connections in control and signalling circuits. The cable construction and materials used for its production ensure high flexibility properties and easy installation. Particularly suitable for installation in industrial facilities, in areas exposed to oil or industrial coolants. Cable appropriate for fixed installation in industrial equipment, process lines and machines operating in dry and damp areas. UV and weather resistance enables external application and direct burial. Cables manufactured in compliance with the IEC 60502-1 standard. Cables classified according to **EN 50575 (CPR)**.

On customer's request version with tinned copper conductors also available: BIT 1100® Power C TIMF GREY TIN

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
ID8790	2x3x0,75	15,1	272
ID8791	4x3x0,75	17,5	375
ID8792	6x3x0,75	20,7	539
ID8793	8x3x0,75	22,6	634
ID8794	12x3x0,75	26,9	833
ID8795	16x3x0,75	30,1	1064
ID8796	20x3x0,75	33,5	1310
ID8797	24x3x0,75	37,7	1543
ID8798	2x3x1,0	15,9	303
ID8799	4x3x1,0	18,5	424
ID8800	6x3x1,0	21,9	609
ID8801	8x3x1,0	23,9	723

Cat. no.	n x mm ²	Outer diameter* [mm]	Approximate cable weight [kg/km]
ID8802	12x3x1,0	28,7	989
ID8803	16x3x1,0	32,1	1262
ID8804	20x3x1,0	35,8	1560
ID8805	24x3x1,0	40,1	1816
ID8806	2x3x1,5	17,2	352
ID8807	4x3x1,5	20,3	526
ID8808	6x3x1,5	23,9	734
ID8809	8x3x1,5	26,1	875
ID8810	12x3x1,5	31,7	1225
ID8811	16x3x1,5	35,4	1568
ID8812	20x3x1,5	39,5	1942
ID8813	24x3x1,5	44,6	2308

*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