



Materials:

- 1 Conductor: Tinned Copper | IEC 60228 class 2
- 2 Insulation: Thermoset compound HF90 | IEC 60092-351
- 3 Individual Shield: aluminized polyester tape + tinned cable drain
- 4 Jacket: Thermoplastic compound SHF1 | IEC 60092-359

Construction:

pairs, triads or blocks.

Pannav IBI

Technical Details:

Application: fixed installations
 Section Range: 0.5 to 2.5mm²
 Conductor Maximum Temperature: 90 °C
 Marking: PAN ELECTRIC PANNAV IBI, section, temperature, voltage, IEC 60332 - 3-22 cat A, year of manufacture.
 Standard: IEC 60092-376
 Insulation Voltage: 150/250V (300 V)

Concerned about meeting the international guidelines for toxicity and safety, our products have the best insulating compounds, as well as full exemption from heavy metals and halogens (halogen free). Our cables are subject to harsh conditions of fire and high temperatures, in order to evaluate the flame resistance and the level of toxicity of the smoke, guaranteeing their safety.

Pairs

| Section (mm ²) | Thick. Isol (mm) | 1 | | | 2 | | | 6 | | | 8 | | | 10 | | | 12 | | | 14 | | | 16 | | | 20 | | | 24 | | | 36 | | |
|----------------------------|------------------|----------------|-------------------|--------------|----------------|-------------------|--------------|----------------|-------------------|--------------|----------------|-------------------|--------------|----------------|-------------------|--------------|----------------|-------------------|--------------|----------------|-------------------|--------------|----------------|-------------------|--------------|----------------|-------------------|--------------|----------------|-------------------|--------------|-----|-------|------|
| | | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km | | | |
| 0,5 | 0,6 | 1 | 5,74 | 50 | 1,1 | 10,4 | 89 | 1,2 | 13,61 | 226 | 1,3 | 15,5 | 294 | 1,4 | 17,75 | 358 | 1,4 | 18,35 | 412 | 1,4 | 19,28 | 478 | 1,5 | 20,57 | 536 | 1,6 | 23,12 | 692 | 1,7 | 25,83 | 770 | 1,8 | 29,77 | 961 |
| 0,75 | 0,6 | 1 | 6,11 | 60 | 1,1 | 11,24 | 121 | 1,3 | 14,94 | 303 | 1,3 | 16,79 | 388 | 1,4 | 19,25 | 484 | 1,5 | 20,11 | 571 | 1,5 | 21,13 | 652 | 1,5 | 22,33 | 734 | 1,6 | 25,12 | 810 | 1,7 | 28,07 | 1091 | 1,9 | 32,58 | 1594 |
| 1 | 0,6 | 1 | 6,49 | 70 | 1,1 | 12,08 | 141 | 1,3 | 16,06 | 356 | 1,4 | 18,28 | 465 | 1,5 | 20,94 | 580 | 1,5 | 21,66 | 673 | 1,5 | 22,78 | 770 | 1,6 | 24,28 | 879 | 1,7 | 27,31 | 1090 | 1,8 | 30,51 | 1305 | 1,9 | 35,2 | 1891 |
| 1,5 | 0,7 | 1 | 7,32 | 88 | 1,2 | 13,96 | 184 | 1,4 | 18,77 | 465 | 1,5 | 21,36 | 607 | 1,6 | 24,49 | 756 | 1,6 | 25,34 | 879 | 1,7 | 26,87 | 1019 | 1,7 | 28,41 | 1148 | 1,9 | 32,17 | 1438 | 2 | 35,93 | 1721 | 2,2 | 41,66 | 2510 |
| 2,5 | 0,7 | 1 | 8,12 | 114 | 1,3 | 15,76 | 244 | 1,5 | 21,37 | 624 | 1,6 | 24,33 | 693 | 1,7 | 27,89 | 1016 | 1,7 | 28,87 | 1185 | 1,8 | 30,6 | 1373 | 1,9 | 32,58 | 1556 | 2 | 36,64 | 1939 | 2,2 | 41,14 | 2339 | 2,4 | 47,66 | 3414 |

Triads

| Section (mm ²) | Thick. Isol (mm) | 1 | | | 4 | | | 8 | | | 10 | | | 12 | | | 14 | | | 16 | | | 24 | | | 36 | | |
|----------------------------|------------------|----------------|-------------------|--------------|----------------|-------------------|--------------|----------------|-------------------|--------------|----------------|-------------------|--------------|----------------|-------------------|--------------|----------------|-------------------|--------------|----------------|-------------------|--------------|----------------|-------------------|--------------|----------------|-------------------|--------------|
| | | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km |
| 0,5 | 0,6 | 1 | 6,26 | 62 | 1,2 | 12,72 | 208 | 1,4 | 17,51 | 389 | 1,4 | 19,86 | 474 | 1,5 | 20,74 | 554 | 1,5 | 21,8 | 636 | 1,6 | 23,24 | 725 | 1,8 | 29,18 | 1074 | 1,9 | 33,65 | 1545 |
| 0,75 | 0,6 | 1 | 6,69 | 75 | 1,2 | 13,75 | 267 | 1,4 | 18,98 | 495 | 1,5 | 21,76 | 633 | 1,5 | 22,51 | 737 | 1,6 | 23,88 | 854 | 1,6 | 25,24 | 962 | 1,9 | 31,94 | 1445 | 2,1 | 37,03 | 1712 |
| 1 | 0,6 | 1 | 7,12 | 88 | 1,3 | 14,98 | 323 | 1,4 | 20,45 | 605 | 1,5 | 23,47 | 754 | 1,6 | 24,49 | 891 | 1,6 | 25,76 | 1021 | 1,7 | 27,45 | 1164 | 1,9 | 34,5 | 1729 | 2,1 | 40,02 | 2531 |
| 1,5 | 0,7 | 1 | 8,07 | 114 | 1,4 | 17,49 | 428 | 1,6 | 24,14 | 815 | 1,7 | 27,68 | 1014 | 1,7 | 28,65 | 1183 | 1,8 | 30,37 | 1371 | 1,9 | 32,33 | 1562 | 2,2 | 40,83 | 2335 | 2,4 | 47,3 | 3409 |
| 2,5 | 0,7 | 1,1 | 9,18 | 155 | 1,4 | 19,7 | 574 | 1,7 | 27,5 | 1113 | 1,8 | 31,54 | 1385 | 1,9 | 32,86 | 1637 | 1,9 | 34,6 | 1879 | 2 | 36,83 | 2141 | 2,4 | 46,71 | 3220 | 2,6 | 54,09 | 4709 |

Blocks

| Section (mm ²) | Thick. Isol (mm) | 1 | | | 3 | | | 4 | | | 7 | | | 8 | | |
|----------------------------|------------------|----------------|-------------------|--------------|----------------|-------------------|--------------|----------------|-------------------|--------------|----------------|-------------------|--------------|----------------|-------------------|--------------|
| | | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km | Esp. Cob. (mm) | Nomin. Diam. (mm) | Weight Kg/Km |
| 0,5 | 0,6 | 1 | 7,08 | 76 | 1,2 | 12,98 | 207 | 1,3 | 14,9 | 267 | 1,4 | 18,05 | 428 | 1,5 | 20,53 | 498 |
| 0,75 | 0,6 | 1 | 7,59 | 93 | 1,3 | 14,07 | 268 | 1,3 | 16,13 | 339 | 1,4 | 19,57 | 554 | 1,5 | 22,29 | 644 |
| 1 | 0,6 | 1 | 8,1 | 110 | 1,3 | 15,17 | 318 | 1,3 | 17,33 | 409 | 1,5 | 21,3 | 675 | 1,6 | 24,24 | 771 |
| 1,5 | 0,7 | 1,1 | 9,24 | 147 | 1,4 | 17,63 | 424 | 1,5 | 20,51 | 550 | 1,6 | 24,91 | 902 | 1,7 | 28,36 | 1044 |
| 2,5 | 0,7 | 1,1 | 10,32 | 196 | 1,5 | 19,98 | 579 | 1,5 | 23,15 | 741 | 1,7 | 28,37 | 1243 | 1,9 | 32,52 | 1451 |

Other cables can be made on request. Table with usual feature information. If you need technical or dimensional data that is not on this table, contact us via e-mail: vendas@pan.com.br. Specifications are subject to change without notice. July / 2014