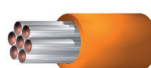


# PTFE // B-E & B-E NPC

PTFE insulated cores, approved to BS 3G 210 Type B and Type NB to Def Stan 61-12 Part 8  
Insulated wires intended for use as internal wiring of equipment

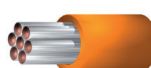
600/1000V AC U<sub>0</sub>/U

-75°C to +190°C

| Description               | Conductor |      |                            |               |      | Finished Core |           |       |        |         | Article Number                                                                      |
|---------------------------|-----------|------|----------------------------|---------------|------|---------------|-----------|-------|--------|---------|-------------------------------------------------------------------------------------|
| B-E<br>(BS 3G 210 Type B) | Size      |      | Silver Plated Copper (SPC) |               |      | PTFE          |           |       | Weight | Amps    |  |
|                           |           |      | Stranding                  | DC resistance | Wire | Core          | Tolerance |       |        |         |                                                                                     |
|                           | AWG       | mm²  |                            |               | Ω/km | Nom Ø         | Nom Ø     | Min Ø | Max Ø  | Nom g/m |                                                                                     |
| B-E 3207                  | 32        | 0.04 | 7 x 0.080                  | 558           | 0.24 | 0.74          | 0.64      | 0.84  | 0.85   | 1.5     | 537cc3207                                                                           |
| B-E 3007                  | 30        | 0.06 | 7 x 0.100                  | 353           | 0.30 | 0.80          | 0.70      | 0.90  | 1.75   | 2       | 537cc3007                                                                           |
| B-E 2807                  | 28        | 0.08 | 7 x 0.120                  | 244           | 0.36 | 0.88          | 0.78      | 0.98  | 2.10   | 3       | 537cc2807                                                                           |
| B-E 2601                  | 26        | 0.13 | 1 x 0.400                  | 146           | 0.40 | 0.90          | 0.80      | 1.00  | 2.56   | 4       | 537cc2601                                                                           |
| B-E 2607                  |           | 0.13 | 7 x 0.150                  | 159           | 0.45 | 0.95          | 0.85      | 1.05  | 2.74   |         | 537cc2607                                                                           |
| B-E 2407                  | 24        | 0.20 | 7 x 0.200                  | 88.3          | 0.60 | 1.10          | 1.00      | 1.20  | 3.95   | 6       | 537cc2407                                                                           |
| B-E 2301                  | 23        | 0.28 | 1 x 0.600                  | 64.3          | 0.60 | 1.10          | 1.00      | 1.20  | 4.38   | 7       | 537cc2301                                                                           |
| B-E 2219                  | 22        | 0.34 | 19 x 0.150                 | 58.6          | 0.75 | 1.25          | 1.15      | 1.35  | 5.44   | 8       | 537cc2219                                                                           |
| B-E 2019                  | 20        | 0.60 | 19 x 0.200                 | 32.5          | 1.00 | 1.50          | 1.40      | 1.60  | 8.43   | 11      | 537cc2019                                                                           |
| B-E 1819                  | 18        | 0.93 | 19 x 0.250                 | 20.6          | 1.25 | 1.75          | 1.65      | 1.85  | 12.11  | 15      | 537cc1819                                                                           |

600/1000V AC U<sub>0</sub>/U

-75°C to +260°C

| Description                    | Conductor |      |                               |               |      | Finished Core |           |       |        |         | Article Number                                                                      |
|--------------------------------|-----------|------|-------------------------------|---------------|------|---------------|-----------|-------|--------|---------|-------------------------------------------------------------------------------------|
| B-E NPC<br>(BS 3G 210 Type NB) | Size      |      | Nickel Plated Copper<br>(NPC) |               |      | PTFE          |           |       | Weight | Amps    |  |
|                                |           |      | Stranding                     | DC resistance | Wire | Core          | Tolerance |       |        |         |                                                                                     |
|                                | AWG       | mm²  |                               |               | Ω/km | Nom Ø         | Nom Ø     | Min Ø | Max Ø  | Nom g/m |                                                                                     |
| B-E 3007 NPC                   | 30        | 0.06 | 7 x 0.100                     | 377           | 0.30 | 0.80          | 0.70      | 0.90  | 1.75   | 2       | 586cc3007                                                                           |
| B-E 2807 NPC                   | 28        | 0.08 | 7 x 0.120                     | 258           | 0.36 | 0.88          | 0.76      | 0.96  | 2.10   | 3       | 586cc2807                                                                           |
| B-E 2601 NPC                   | 26        | 0.13 | 1 x 0.400                     | 148           | 0.40 | 0.90          | 0.80      | 1.00  | 2.56   | 4       | 586cc2601                                                                           |
| B-E 2607 NPC                   |           | 0.13 | 7 x 0.150                     | 166           | 0.45 | 0.95          | 0.85      | 1.05  | 2.74   |         | 586cc2607                                                                           |
| B-E 2619 NPC                   |           | 0.15 | 19 x 0.100                    | 139           | 0.50 | 1.00          | 0.90      | 1.10  | 3.09   | 5       | 586cc2619                                                                           |
| B-E 2407 NPC                   | 24        | 0.20 | 7 x 0.200                     | 91.2          | 0.60 | 1.10          | 1.00      | 1.20  | 3.95   | 6       | 586cc2407                                                                           |
| B-E 2419 NPC                   |           | 0.21 | 19 x 0.120                    | 94.9          | 0.60 | 1.10          | 1.00      | 1.20  | 3.89   |         | 586cc2419                                                                           |
| B-E 2301 NPC                   | 23        | 0.28 | 1 x 0.600                     | 65.0          | 0.60 | 1.10          | 1.00      | 1.20  | 4.38   | 7       | 586cc2301                                                                           |
| B-E 2219 NPC                   | 22        | 0.34 | 19 x 0.150                    | 61.3          | 0.75 | 1.25          | 1.15      | 1.35  | 5.44   | 8       | 586cc2219                                                                           |
| B-E 2019 NPC                   | 20        | 0.60 | 19 x 0.200                    | 33.6          | 1.00 | 1.50          | 1.40      | 1.60  | 8.43   | 11      | 586cc2019                                                                           |
| B-E 1819 NPC                   | 18        | 0.93 | 19 x 0.250                    | 21.2          | 1.25 | 1.75          | 1.65      | 1.85  | 12.11  | 15      | 586cc1819                                                                           |

## Identification

| Colours - replace 'cc' in the article number with 2 digits below |       |     |        |        |       |      |        |      |       |      |       |
|------------------------------------------------------------------|-------|-----|--------|--------|-------|------|--------|------|-------|------|-------|
| 00                                                               | 11    | 22  | 33     | 44     | 55    | 66   | 77     | 88   | 99    | 29   | 89    |
| Black                                                            | Brown | Red | Orange | Yellow | Green | Blue | Violet | Grey | White | Pink | Clear |

## Characteristics & key properties

|                                                                                    |                    |                              |                   |                                 |                                 |                    |                         |                                               |                            |
|------------------------------------------------------------------------------------|--------------------|------------------------------|-------------------|---------------------------------|---------------------------------|--------------------|-------------------------|-----------------------------------------------|----------------------------|
|  | RoHS<br>2011/65/EU | REACH<br>EC No.<br>1907/2006 | LVD<br>2014/35/EU | DSP 61-12<br>Part 8<br>approval | BS 3G 210<br>Type B<br>approval | Flame<br>retardant | Low smoke<br>generation | Current rating<br>in free air to<br>BS 3G 210 | back to<br>Single<br>wires |
|------------------------------------------------------------------------------------|--------------------|------------------------------|-------------------|---------------------------------|---------------------------------|--------------------|-------------------------|-----------------------------------------------|----------------------------|

Data indicates nominal values in millimetres (mm) unless otherwise stated.

DISCLAIMER: Information is indicative and cannot be considered a binding representation or warranty for products and their use. Valid at the time of publication, it is subject to change without notice.