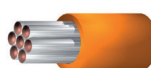


# PTFE // E NPC & H-RE NPC

PTFE insulated cores, based on: NEMA HP-3  
Intended for use as internal wiring of equipment

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

-65°C to +260°C

| Description                                 | Conductor |      |                               |               |      | Finished Core |           |       |        |         | Article Number                                                                      |
|---------------------------------------------|-----------|------|-------------------------------|---------------|------|---------------|-----------|-------|--------|---------|-------------------------------------------------------------------------------------|
| E NPC = extruded<br>&<br>H-RE NPC = wrapped | 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 |                                                                                     |
| E 3201 NPC                                  | 32        | 0.03 | 1 x 0.203                     | 580.7         | 0.20 | 0.74          | 0.64      | 0.84  | 1.1    | 5       | 412 / 212cc3201                                                                     |
| E 3207 NPC                                  |           | 0.04 | 7 x 0.079                     | 610.2         | 0.24 | 0.76          | 0.66      | 0.86  | 1.2    |         | 412 / 212cc3207                                                                     |
| E 3219 NPC                                  |           | 0.04 | 19 x 0.051                    | 587.2         | 0.25 | 0.76          | 0.66      | 0.86  | 1.3    |         | 412 / 212cc3219                                                                     |
| E 3001 NPC                                  | 30        | 0.05 | 1 x 0.254                     | 360.8         | 0.25 | 0.76          | 0.66      | 0.86  | 1.3    | 6       | 412 / 212cc3001                                                                     |
| E 3007 NPC                                  |           | 0.06 | 7 x 0.102                     | 360.8         | 0.30 | 0.81          | 0.71      | 0.91  | 1.5    |         | 412 / 212cc3007                                                                     |
| E 3019 NPC                                  |           | 0.06 | 19 x 0.064                    | 367.4         | 0.32 | 0.81          | 0.71      | 0.91  | 1.5    |         | 412 / 212cc3019                                                                     |
| E 2801 NPC                                  | 28        | 0.08 | 1 x 0.320                     | 227.6         | 0.32 | 0.84          | 0.74      | 0.94  | 1.7    | 8       | 412 / 212cc2801                                                                     |
| E 2807 NPC                                  |           | 0.09 | 7 x 0.127                     | 221.7         | 0.38 | 0.89          | 0.79      | 0.99  | 2.0    |         | 412 / 212cc2807                                                                     |
| E 2819 NPC                                  |           | 0.09 | 19 x 0.079                    | 227.3         | 0.39 | 0.89          | 0.79      | 0.99  | 2.0    |         | 412 / 212cc2819                                                                     |
| E 2601 NPC                                  | 26        | 0.13 | 1 x 0.404                     | 143.0         | 0.40 | 0.91          | 0.81      | 1.01  | 2.3    | 11      | 412 / 212cc2601                                                                     |
| E 2607 NPC                                  |           | 0.14 | 7 x 0.160                     | 138.4         | 0.48 | 0.99          | 0.89      | 1.09  | 2.7    |         | 412 / 212cc2607                                                                     |
| E 2619 NPC                                  |           | 0.16 | 19 x 0.102                    | 134.5         | 0.48 | 1.00          | 0.90      | 1.10  | 2.8    |         | 412 / 212cc2619                                                                     |
| E 2401 NPC                                  | 24        | 0.20 | 1 x 0.511                     | 89.56         | 0.51 | 1.02          | 0.92      | 1.12  | 3.1    | 15      | 412 / 212cc2401                                                                     |
| E 2407 NPC                                  |           | 0.22 | 7 x 0.203                     | 85.30         | 0.60 | 1.12          | 1.02      | 1.22  | 3.7    |         | 412 / 212cc2407                                                                     |
| E 2419 NPC                                  |           | 0.24 | 19 x 0.127                    | 82.67         | 0.60 | 1.13          | 1.03      | 1.23  | 3.9    |         | 412 / 212cc2419                                                                     |
| E 2201 NPC                                  | 22        | 0.32 | 1 x 0.643                     | 56.43         | 0.64 | 1.15          | 1.05      | 1.25  | 4.4    | 19      | 412 / 212cc2201                                                                     |
| E 2207 NPC                                  |           | 0.36 | 7 x 0.254                     | 53.15         | 0.76 | 1.27          | 1.17      | 1.37  | 5.2    |         | 412 / 212cc2207                                                                     |
| E 2219 NPC                                  |           | 0.38 | 19 x 0.160                    | 51.50         | 0.76 | 1.30          | 1.20      | 1.40  | 5.5    |         | 412 / 212cc2219                                                                     |
| E 2001 NPC                                  | 20        | 0.52 | 1 x 0.813                     | 35.43         | 0.81 | 1.32          | 1.22      | 1.42  | 6.5    | 26      | 412 / 212cc2001                                                                     |
| E 2007 NPC                                  |           | 0.56 | 7 x 0.320                     | 33.46         | 0.96 | 1.47          | 1.37      | 1.57  | 7.5    |         | 412 / 212cc2007                                                                     |
| E 2019 NPC                                  |           | 0.60 | 19 x 0.203                    | 31.75         | 0.96 | 1.47          | 1.37      | 1.57  | 8.1    |         | 412 / 212cc2019                                                                     |
| E 1801 NPC                                  | 18        | 0.82 | 1 x 1.024                     | 22.27         | 1.02 | 1.54          | 1.44      | 1.64  | 9.6    | 34      | 412 / 212cc1801                                                                     |
| E 1807 NPC                                  |           | 0.88 | 7 x 0.404                     | 21.06         | 1.21 | 1.75          | 1.65      | 1.85  | 12     |         | 412 / 212cc1807                                                                     |
| E 1819 NPC                                  |           | 0.96 | 19 x 0.254                    | 19.78         | 1.20 | 1.75          | 1.65      | 1.85  | 12     |         | 412 / 212cc1819                                                                     |
| E 1601 NPC                                  | 16        | 1.30 | 1 x 1.287                     | 14.00         | 1.29 | 1.87          | 1.77      | 1.97  | 15     | 45      | 412 / 212cc1601                                                                     |
| E 1619 NPC                                  |           | 1.23 | 19 x 0.287                    | 15.51         | 1.36 | 2.03          | 1.93      | 2.13  | 16     |         | 412 / 212cc1619                                                                     |
| E 1419 NPC                                  | 14        | 1.87 | 19 x 0.361                    | 9.810         | 1.70 | 2.42          | 2.32      | 2.52  | 23     | 59      | 412 / 212cc1419                                                                     |
| E 1219 NPC                                  | 12        | 3.02 | 19 x 0.455                    | 6.168         | 2.14 | 2.90          | 2.80      | 3.00  | 34     | 79      | 412 / 212cc1219                                                                     |
| H-RE 1237 NPC                               |           | 2.97 | 37 x 0.320                    | 6.468         | 2.17 | 2.85          | 2.67      | 3.02  | 41     |         | 212cc1237                                                                           |
| H-RE 1037 NPC                               | 10        | 3.64 | 37 x 0.404                    | 4.068         | 2.80 | 3.40          | 3.30      | 3.50  | 52     | 106     | 212cc1037                                                                           |

Available in extruded 'E NPC' and tape-wrapped 'H-RE NPC' variants: Change the first digit of the article number to select: 412 = extruded 212 = tape-wrapped.  
Sizes 12 AWG, 37 strands and above shall be tape-wrapped only.

## 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 | Flame<br>retardant | Low smoke<br>generation | Current rating<br>in free air to<br>IEC 60287 | 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.