

# PTFE ET NPC & H-RET NPC cores

PTFE insulated, based on: NEMA HP-3

Intended for use as internal wiring of equipment

-65 / +260°C

250/1000V AC U<sub>0</sub>/U

| Description                                   | Conductor |      |                            |                       |               | Finished Core |           |      |        |      | Article Number                                                                      |
|-----------------------------------------------|-----------|------|----------------------------|-----------------------|---------------|---------------|-----------|------|--------|------|-------------------------------------------------------------------------------------|
| ET NPC = extruded<br>&<br>H-RET NPC = wrapped | Size      |      | Nickel Plated Copper (NPC) |                       |               | PTFE          |           |      | Weight | Amps |  |
|                                               |           |      | Stranding                  | DC resistance<br>Ω/km | Wire<br>Nom Ø | Core          | Tolerance |      |        |      |                                                                                     |
| ET 3201 NPC                                   | 32        | 0.03 | 1 x 0.203                  | 580.7                 | 0.20          | 0.52          | 0.40      | 0.56 | 0.70   | 4    | 411 / 211cc3201                                                                     |
| ET 3207 NPC                                   |           | 0.04 | 7 x 0.079                  | 610.2                 | 0.24          | 0.56          | 0.51      | 0.61 | 0.80   |      | 411 / 211cc3207                                                                     |
| ET 3219 NPC                                   |           | 0.04 | 19 x 0.051                 | 587.2                 | 0.25          | 0.56          | 0.51      | 0.61 | 0.80   |      | 411 / 211cc3219                                                                     |
| ET 3001 NPC                                   | 30        | 0.05 | 1 x 0.254                  | 360.8                 | 0.25          | 0.56          | 0.51      | 0.61 | 0.90   | 6    | 411 / 211cc3001                                                                     |
| ET 3007 NPC                                   |           | 0.06 | 7 x 0.102                  | 360.8                 | 0.30          | 0.61          | 0.56      | 0.66 | 1.0    |      | 411 / 211cc3007                                                                     |
| ET 3019 NPC                                   |           | 0.06 | 19 x 0.064                 | 367.4                 | 0.32          | 0.61          | 0.56      | 0.66 | 1.0    |      | 411 / 211cc3019                                                                     |
| ET 2801 NPC                                   | 28        | 0.08 | 1 x 0.320                  | 227.6                 | 0.32          | 0.64          | 0.59      | 0.69 | 1.2    | 8    | 411 / 211cc2801                                                                     |
| ET 2807 NPC                                   |           | 0.09 | 7 x 0.127                  | 221.7                 | 0.38          | 0.69          | 0.54      | 0.74 | 1.5    |      | 411 / 211cc2807                                                                     |
| ET 2819 NPC                                   |           | 0.09 | 19 x 0.079                 | 227.3                 | 0.39          | 0.69          | 0.54      | 0.74 | 1.5    |      | 411 / 211cc3019                                                                     |
| ET 2601 NPC                                   | 26        | 0.13 | 1 x 0.404                  | 143.0                 | 0.40          | 0.71          | 0.66      | 0.76 | 1.7    | 10   | 411 / 211cc2601                                                                     |
| ET 2607 NPC                                   |           | 0.14 | 7 x 0.160                  | 138.4                 | 0.48          | 0.79          | 0.74      | 0.84 | 2.1    |      | 411 / 211cc2607                                                                     |
| ET 2619 NPC                                   |           | 0.16 | 19 x 0.102                 | 134.5                 | 0.48          | 0.79          | 0.74      | 0.86 | 2.2    |      | 411 / 211cc2619                                                                     |
| ET 2401 NPC                                   | 24        | 0.20 | 1 x 0.511                  | 89.56                 | 0.51          | 0.81          | 0.76      | 0.86 | 2.5    | 14   | 411 / 211cc2401                                                                     |
| ET 2407 NPC                                   |           | 0.22 | 7 x 0.203                  | 85.30                 | 0.60          | 0.91          | 0.86      | 0.96 | 3.0    |      | 411 / 211cc2407                                                                     |
| ET 2419 NPC                                   |           | 0.24 | 19 x 0.127                 | 82.67                 | 0.60          | 0.91          | 0.86      | 0.99 | 3.2    |      | 411 / 211cc2419                                                                     |
| ET 2201 NPC                                   | 22        | 0.32 | 1 x 0.643                  | 56.43                 | 0.64          | 0.95          | 0.89      | 1.02 | 3.7    | 19   | 411 / 211cc2201                                                                     |
| ET 2207 NPC                                   |           | 0.36 | 7 x 0.254                  | 53.15                 | 0.76          | 1.07          | 1.02      | 1.12 | 4.4    |      | 411 / 211cc2207                                                                     |
| ET 2219 NPC                                   |           | 0.38 | 19 x 0.160                 | 51.50                 | 0.76          | 1.07          | 1.02      | 1.17 | 4.7    |      | 411 / 211cc2219                                                                     |
| ET 2001 NPC                                   | 20        | 0.52 | 1 x 0.813                  | 35.43                 | 0.81          | 1.12          | 1.07      | 1.17 | 5.6    | 25   | 411 / 211cc2001                                                                     |
| ET 2007 NPC                                   |           | 0.56 | 7 x 0.320                  | 33.46                 | 0.96          | 1.27          | 1.22      | 1.32 | 6.6    |      | 411 / 211cc2007                                                                     |
| ET 2019 NPC                                   |           | 0.60 | 19 x 0.203                 | 31.75                 | 0.96          | 1.27          | 1.22      | 1.32 | 7.1    |      | 411 / 211cc2019                                                                     |

Available in extruded 'ET NPC' and tape-wrapped 'H-RET NPC' variants: Change the first digit of the article number to select: 412 = extruded 212 = tape-wrapped.

## 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 |

For bi-colours: Add 'S' for a spiral or 'C' for a longitudinal stripe, then 2 digits for the colour, to the end of the article no. (e.g. 411222607S66 = Red with a Blue spiral stripe)

## Characteristics & key properties

|                                                                                    |                                   |                              |                   |                    |                         |                                               |
|------------------------------------------------------------------------------------|-----------------------------------|------------------------------|-------------------|--------------------|-------------------------|-----------------------------------------------|
|  | RoHS<br>2011/65/EU<br>2015/863/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 |
|------------------------------------------------------------------------------------|-----------------------------------|------------------------------|-------------------|--------------------|-------------------------|-----------------------------------------------|

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

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