

# PTFE ET & H-RET cores

PTFE insulated, based on: NEMA HP-3

Intended for use as internal wiring of equipment

-65 / +200°C

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

| Description                           | Conductor |      |                            |               |       | Finished Core |           |       |         |        | Article Number                                                                      |
|---------------------------------------|-----------|------|----------------------------|---------------|-------|---------------|-----------|-------|---------|--------|-------------------------------------------------------------------------------------|
| ET = extruded<br>&<br>H-RET = wrapped | 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 | @ 40°C |                                                                                     |
| ET 3201                               | 32        | 0.03 | 1 x 0.203                  | 544.6         | 0.20  | 0.52          | 0.40      | 0.56  | 0.70    | 4      | 511 / 311cc3201                                                                     |
| ET 3207                               |           | 0.04 | 7 x 0.079                  | 557.7         | 0.24  | 0.56          | 0.51      | 0.61  | 0.80    |        | 511 / 311cc3207                                                                     |
| ET 3219                               |           | 0.04 | 19 x 0.051                 | 515.0         | 0.25  | 0.56          | 0.51      | 0.61  | 0.80    |        | 511 / 311cc3219                                                                     |
| ET 3001                               | 30        | 0.05 | 1 x 0.254                  | 347.7         | 0.25  | 0.56          | 0.51      | 0.61  | 0.90    | 5      | 511 / 311cc3001                                                                     |
| ET 3007                               |           | 0.06 | 7 x 0.102                  | 328.0         | 0.30  | 0.61          | 0.56      | 0.66  | 1.0     |        | 511 / 311cc3007                                                                     |
| ET 3019                               |           | 0.06 | 19 x 0.064                 | 323.4         | 0.32  | 0.61          | 0.56      | 0.66  | 1.0     |        | 511 / 311cc3019                                                                     |
| ET 2801                               | 28        | 0.08 | 1 x 0.320                  | 218.8         | 0.32  | 0.64          | 0.59      | 0.69  | 1.2     | 7      | 511 / 311cc2801                                                                     |
| ET 2807                               |           | 0.09 | 7 x 0.127                  | 208.6         | 0.38  | 0.69          | 0.54      | 0.74  | 1.5     |        | 511 / 311cc2807                                                                     |
| ET 2819                               |           | 0.09 | 19 x 0.079                 | 207.0         | 0.39  | 0.69          | 0.54      | 0.74  | 1.5     |        | 511 / 311cc3019                                                                     |
| ET 2601                               | 26        | 0.13 | 1 x 0.404                  | 137.4         | 0.40  | 0.71          | 0.66      | 0.76  | 1.7     | 9      | 511 / 311cc2601                                                                     |
| ET 2607                               |           | 0.14 | 7 x 0.160                  | 130.2         | 0.48  | 0.79          | 0.74      | 0.84  | 2.1     |        | 511 / 311cc2607                                                                     |
| ET 2619                               |           | 0.16 | 19 x 0.102                 | 122.3         | 0.48  | 0.79          | 0.74      | 0.86  | 2.2     |        | 511 / 311cc2619                                                                     |
| ET 2401                               | 24        | 0.20 | 1 x 0.511                  | 85.95         | 0.51  | 0.81          | 0.76      | 0.86  | 2.5     | 12     | 511 / 311cc2401                                                                     |
| ET 2407                               |           | 0.22 | 7 x 0.203                  | 80.38         | 0.60  | 0.91          | 0.86      | 0.96  | 3.0     |        | 511 / 311cc2407                                                                     |
| ET 2419                               |           | 0.24 | 19 x 0.127                 | 77.42         | 0.60  | 0.91          | 0.86      | 0.99  | 3.2     |        | 511 / 311cc2419                                                                     |
| ET 2201                               | 22        | 0.32 | 1 x 0.643                  | 54.13         | 0.64  | 0.95          | 0.89      | 1.02  | 3.7     | 16     | 511 / 311cc2201                                                                     |
| ET 2207                               |           | 0.36 | 7 x 0.254                  | 51.18         | 0.76  | 1.07          | 1.02      | 1.12  | 4.4     |        | 511 / 311cc2207                                                                     |
| ET 2219                               |           | 0.38 | 19 x 0.160                 | 48.55         | 0.76  | 1.07          | 1.02      | 1.17  | 4.7     |        | 511 / 311cc2219                                                                     |
| ET 2001                               | 20        | 0.52 | 1 x 0.813                  | 33.79         | 0.81  | 1.12          | 1.07      | 1.17  | 5.6     | 22     | 511 / 311cc2001                                                                     |
| ET 2007                               |           | 0.56 | 7 x 0.320                  | 32.18         | 0.96  | 1.27          | 1.22      | 1.32  | 6.6     |        | 511 / 311cc2007                                                                     |
| ET 2019                               |           | 0.60 | 19 x 0.203                 | 29.85         | 0.96  | 1.27          | 1.22      | 1.32  | 7.1     |        | 511 / 311cc2019                                                                     |

Available in both extruded 'ET' and tape-wrapped 'H-RET' variants. Change the first digit of the article number to select: 511 = extruded 311 = 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. 511222607S66 = Red with a Blue spiral stripe)

## Characteristics & key properties

|    |                                   |                              |                   |                    |                         |                                               |
|----|-----------------------------------|------------------------------|-------------------|--------------------|-------------------------|-----------------------------------------------|
| CE | 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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