

Equipment Wire, 600V, +200°C, NEMA HP-3

PTFE

Properties:

Radiation resistance:
10 E3 Gy

Flame retardant
Low Smoke Generation

Suitable for use in:

- Oils
- Fuels
- Acids
- Bases

Construction:

Conductor
Insulation
Temperature rating (°C)
Colours
Voltage
Test voltage

Silver Plated Copper (SPC)
Extruded PTFE
-65 / +200
XX = Colour code
600 V AC
3400 V AC

Colour code:

| | |
|---------|----|
| Black | 00 |
| Brown | 11 |
| Red | 22 |
| Orange | 33 |
| Yellow | 44 |
| Green | 55 |
| Blue | 66 |
| Violet | 77 |
| Grey | 88 |
| White | 99 |
| Pink | 29 |
| Natural | 89 |

Air temperature correction factor for current rating:

| °C | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | | | | |
|--------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| Factor | 1.08 | 1.00 | 0.92 | 0.84 | 0.75 | 0.65 | 0.55 | 0.42 | 0.28 | | | | |

Notes:

All dimensions nominal (± 4%)
unless otherwise stated.
All dimensions in mm.

Multicore correction factor for current rating:

| Cores | 2 | 3 | 4 | 6 | 8 | 10 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 |
|--------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Factor | 1 | 0.88 | 0.80 | 0.69 | 0.62 | 0.59 | 0.55 | 0.51 | 0.48 | 0.43 | 0.41 | 0.39 | 0.38 | 0.36 |

| Type | Size | | Conductor | | | Finished Wire | | | | Order Reference |
|--------|------|-------|------------|--------|---------------------------|---------------|-----------|----------------|---------------|-----------------|
| | AWG | mm² | Stranding | Wire Ø | DC Res @ 20°C (Ohms / km) | Core Ø | Tolerance | Weight (kg/km) | Amps (@ 40°C) | |
| E 3201 | 32 | 0,031 | 1 x 0,20 | 0,20 | 544 | 0,74 | ± 0,10 | 1,1 | 3 | 512xx3201 |
| E 3207 | 32 | 0,035 | 7 x 0,08 | 0,24 | 557 | 0,76 | ± 0,10 | 1,2 | 3 | 512xx3207 |
| E 3001 | 30 | 0,049 | 1 x 0,25 | 0,25 | 347 | 0,76 | ± 0,10 | 1,3 | 4 | 512xx3001 |
| E 3007 | 30 | 0,057 | 7 x 0,10 | 0,30 | 328 | 0,81 | ± 0,10 | 1,5 | 4 | 512xx3007 |
| E 2801 | 28 | 0,080 | 1 x 0,32 | 0,32 | 218 | 0,84 | ± 0,10 | 1,7 | 6 | 512xx2801 |
| E 2807 | 28 | 0,089 | 7 x 0,13 | 0,38 | 208 | 0,89 | ± 0,10 | 2,0 | 6 | 512xx2807 |
| E 2601 | 26 | 0,126 | 1 x 0,40 | 0,40 | 137 | 0,91 | ± 0,10 | 2,3 | 8 | 512xx2601 |
| E 2607 | 26 | 0,141 | 7 x 0,16 | 0,48 | 130 | 0,99 | ± 0,10 | 2,7 | 8 | 512xx2607 |
| E 2619 | 26 | 0,155 | 19 x 0,10 | 0,48 | 122 | 1,00 | ± 0,10 | 2,8 | 8 | 512xx2619 |
| E 2401 | 24 | 0,204 | 1 x 0,51 | 0,51 | 86,0 | 1,02 | ± 0,10 | 3,1 | 10 | 512xx2401 |
| E 2407 | 24 | 0,220 | 7 x 0,20 | 0,60 | 80,4 | 1,12 | ± 0,10 | 3,7 | 10 | 512xx2407 |
| E 2419 | 24 | 0,241 | 19 x 0,13 | 0,60 | 77,4 | 1,13 | ± 0,10 | 3,9 | 10 | 512xx2419 |
| E 2201 | 22 | 0,322 | 1 x 0,64 | 0,64 | 54,1 | 1,15 | ± 0,10 | 4,4 | 14 | 512xx2201 |
| E 2207 | 22 | 0,355 | 7 x 0,25 | 0,76 | 51,2 | 1,27 | ± 0,10 | 5,2 | 14 | 512xx2207 |
| E 2219 | 22 | 0,382 | 19 x 0,16 | 0,76 | 48,5 | 1,30 | ± 0,10 | 5,5 | 14 | 512xx2219 |
| E 0,5 | - | 0,50 | 19 x 0,185 | 0,93 | 40,1 | 1,45 | ± 0,10 | 7,7 | 17 | 512xx0050 |
| E 2001 | 20 | 0,515 | 1 x 0,81 | 0,81 | 33,8 | 1,32 | ± 0,10 | 6,5 | 19 | 512xx2001 |
| E 2007 | 20 | 0,563 | 7 x 0,32 | 0,96 | 32,2 | 1,47 | ± 0,10 | 7,5 | 19 | 512xx2007 |
| E 2019 | 20 | 0,597 | 19 x 0,20 | 0,97 | 29,9 | 1,47 | ± 0,10 | 8,1 | 19 | 512xx2019 |
| E 0,75 | - | 0,75 | 19 x 0,225 | 1,13 | 26,7 | 1,65 | ± 0,12 | 9,6 | 22 | 512xx0075 |
| E 1801 | 18 | 0,817 | 1 x 1,02 | 1,02 | 21,4 | 1,54 | ± 0,12 | 9,6 | 27 | 512xx1801 |
| E 1807 | 18 | 0,880 | 7 x 0,40 | 1,21 | 20,2 | 1,75 | ± 0,12 | 12 | 27 | 512xx1807 |
| E 1819 | 18 | 0,963 | 19 x 0,25 | 1,21 | 19,0 | 1,75 | ± 0,12 | 12 | 27 | 512xx1819 |
| E 1601 | 16 | 1,301 | 1 x 1,29 | 1,29 | 13,5 | 1,87 | ± 0,16 | 15 | 32 | 512xx1601 |
| E 1619 | 16 | 1,229 | 19 x 0,29 | 1,36 | 14,8 | 2,03 | ± 0,18 | 16 | 32 | 512xx1619 |
| E 1,5 | - | 1,50 | 19 x 0,32 | 1,50 | 13,7 | 2,08 | ± 0,18 | 18 | 35 | 512xx0150 |
| E 1419 | 14 | 1,870 | 19 x 0,36 | 1,70 | 9,42 | 2,42 | ± 0,18 | 23 | 43 | 512xx1419 |
| E 1219 | 12 | 3,022 | 19 x 0,45 | 2,14 | 5,93 | 2,90 | ± 0,18 | 33 | 59 | 512xx1219 |

Data provided indicates nominal values unless stated otherwise and is only valid for reference purposes at the time of publication and is subject to change without prior notice.

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