

## PTFE-single-core cable (construction compliant to NEMA HP3, previously MIL-W-16878) Fp...

### Application

For internal wiring of electrical devices

### Market requirements

- High and low ambient temperatures
- Chemical resistance
- Mechanical resistance
- Very high electrical demands

### Solution

- Strand copper; silver-plated, nickel-plated in compliance with MIL-W-16878 (bare, tinned or pure nickel upon request)
- Insulation ASTM-D4895 compliant PTFE 5Y
- Core colour to customer specification
- up to 130 °C copper, bare
- up to 180 °C copper, tinned
- up to 200 °C copper, silver-plated
- up to 260 °C copper, nickel-plated

### Technical specifications

- Rated voltage 250 V/600 V/1000 V
- Test voltage 2.5 kV/3.4 kV/5.0 kV
- Temperature rating **-190 °C to +260 °C**

### Note

Same constructions can be offered in FEP, ETFE and PFA

Cross-section	Conductor construction	Outer-Ø 250 V	Outer-Ø 600 V	Outer-Ø 1000 V
AWG	mm	mm	mm	mm
28	7 x 0.127	0.635 – 0.737	0.787 – 0.991	1.041 – 1.245
26	7 x 0.160	0.737 – 0.838	0.889 – 1.092	1.143 – 1.346
26	19 x 0.102	0.737 – 0.838	0.889 – 1.092	1.143 – 1.346
24	7 x 0.203	0.864 – 0.964	1.016 – 1.219	1.270 – 1.473
24	19 x 0.127	0.864 – 0.964	1.016 – 1.219	1.270 – 1.473
22	7 x 0.254	1.016 – 1.118	1.168 – 1.372	1.422 – 1.626
22	19 x 0.160	1.016 – 1.118	1.168 – 1.372	1.422 – 1.626
20	7 x 0.320	1.219 – 1.321	1.372 – 1.575	1.626 – 1.829
20	19 x 0.203	1.219 – 1.321	1.372 – 1.575	1.626 – 1.829
18	7 x 0.404	–	1.626 – 1.880	1.880 – 2.134
18	19 x 0.254	–	1.626 – 1.880	1.880 – 2.134
16	19 x 0.287	–	1.854 – 2.210	2.108 – 2.413
14	19 x 0.361	–	2.235 – 2.591	2.489 – 2.896
12	19 x 0.455	–	2.718 – 3.073	2.972 – 3.378
10	37 x 0.404	–	3.226 – 3.581	3.480 – 3.886
8	133 x 0.287	–	–	5.055 – 5.563
6	133 x 0.361	–	–	6.426 – 6.934
4	133 x 0.450	–	–	8.865 – 9.373
2	665 x 0.254	–	–	10.033 – 10.541
1	817 x 0.254	–	–	12.065 – 12.573
0	1045 x 0.254	–	–	12.802 – 13.310
00	1330 x 0.254	–	–	14.046 – 14.656
0000	2109 x 0.254	–	–	17.856 – 18.456



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