

# FLUOROPLASTIC SIGNAL CABLE, PTFE / FEP MULTI-STRANDS, SHIELDED



CONDUCT – PROTECT – INSULATE

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## Fluoropolymer signal cable PTFE/FEP, shielded, 4-strands, -65 to 200 °C

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**Conductor:**

silver-plated copper (SPC)

**Strand insulation:**

polytetrafluoroethylene (PTFE)

**Strand colors:**

white, red, black, blue

**Shielding:**

braided silver-plated copper (SPC)

**Sheath:**

fluoroethylene propylene (FEP)

**Sheath color:**

white

**Specification:**

based on MIL-C-27500

**Temperature range:**

- 65 to 200 °C

## Dimensions:

| AWG                                                           | Stranded wires | Conductor | Article number | Core      | Shielding | Cable     |                |                           |
|---------------------------------------------------------------|----------------|-----------|----------------|-----------|-----------|-----------|----------------|---------------------------|
|                                                               | Number x Ø     | Ø nominal |                | Ø nominal | Ø nominal | Ø maximal | Weight nominal | I <sub>max</sub> at 40 °C |
|                                                               | [mm]           | [mm]      |                | [mm]      | [mm]      | [mm]      | [g/m]          | [A]                       |
| ET STK 4, thin-walled, Operating voltage: 250/500V AC U0/U    |                |           |                |           |           |           |                |                           |
| 32                                                            | 7 x 0,079      | 0,28      | FKET3207STK4   | 0,56      | 1,80      | 2,40      | 11             | 3                         |
| 30                                                            | 7 x 0,102      | 0,33      | FKET3007STK4   | 0,61      | 1,90      | 2,50      | 13             | 4                         |
| 28                                                            | 7 x 0,127      | 0,41      | FKET2807STK4   | 0,69      | 2,30      | 2,80      | 17             | 6                         |
| 26                                                            | 7 x 0,160      | 0,51      | FKET2607STK4   | 0,79      | 2,40      | 2,90      | 22             | 8                         |
|                                                               | 19 x 0,102     | 0,56      | FKET2619STK4   | 0,79      | 2,40      | 2,90      | 22             | 8                         |
| 24                                                            | 19 x 0,127     | 0,69      | FKET2419STK4   | 0,91      | 2,60      | 3,10      | 29             | 11                        |
| 22                                                            | 19 x 0,160     | 0,84      | FKET2219STK4   | 1,07      | 2,60      | 3,10      | 29             | 11                        |
| 20                                                            | 19 X 0,203     | 1,04      | FKET2019STK4   | 1,27      | 3,00      | 3,50      | 36             | 15                        |
| E STK 4, normal-walled, Operating voltage: 600/1000V AC U0/U  |                |           |                |           |           |           |                |                           |
| 32                                                            | 7 x 0,079      | 0,28      | FKE3207STK4    | 0,76      | 2,40      | 2,90      | 16             | 3                         |
| 30                                                            | 7 x 0,102      | 0,33      | FKE3007STK4    | 0,81      | 2,60      | 3,10      | 18             | 5                         |
| 28                                                            | 7 x 0,127      | 0,41      | FKE2807STK4    | 0,89      | 2,60      | 3,10      | 22             | 6                         |
| 26                                                            | 19 x 0,102     | 0,51      | FKE2619STK4    | 1,00      | 3,00      | 3,50      | 27             | 8                         |
| 24                                                            | 19 x 0,127     | 0,61      | FKE2419STK4    | 1,13      | 3,30      | 3,80      | 32             | 11                        |
| 22                                                            | 19 x 0,160     | 0,79      | FKE2219STK4    | 1,30      | 3,70      | 4,20      | 41             | 15                        |
| 20                                                            | 19 x 0,203     | 0,99      | FKE2019STK4    | 1,47      | 3,80      | 4,30      | 46             | 21                        |
| 18                                                            | 19 x 0,254     | 1,25      | FKE1819STK4    | 1,75      | 4,40      | 5,00      | 61             | 28                        |
| 16                                                            | 19 x 0,287     | 1,40      | FKE1619STK4    | 2,03      | 5,00      | 5,40      | 74             | 33                        |
| 14                                                            | 19 x 0,361     | 1,75      | FKE1419STK4    | 2,42      | 5,80      | 6,20      | 103            | 44                        |
| 12                                                            | 19 x 0,455     | 2,36      | FKE1219STK4    | 2,90      | 6,80      | 7,30      | 143            | 59                        |
| EE STK 4, heavy-walled, Operating voltage: 1000/1900V AC U0/U |                |           |                |           |           |           |                |                           |
| 32                                                            | 7 x 0,079      | 0,28      | FKEE3207STK4   | 1,02      | 3,10      | 3,60      | 24             | 3                         |
| 30                                                            | 7 x 0,102      | 0,33      | FKEE3007STK4   | 1,07      | 3,30      | 3,80      | 26             | 5                         |
| 28                                                            | 7 x 0,127      | 0,41      | FKEE2807STK4   | 1,14      | 3,80      | 4,00      | 29             | 6                         |
| 26                                                            | 19 x 0,102     | 0,51      | FKEE2619STK4   | 1,24      | 3,60      | 4,30      | 35             | 9                         |
| 24                                                            | 19 x 0,127     | 0,61      | FKEE2419STK4   | 1,37      | 3,90      | 4,80      | 43             | 11                        |
| 22                                                            | 19 x 0,160     | 0,79      | FKEE2219STK4   | 1,52      | 4,50      | 5,20      | 56             | 15                        |
| 20                                                            | 19 x 0,203     | 0,99      | FKEE2019STK4   | 1,73      | 5,00      | 5,70      | 70             | 20                        |
| 18                                                            | 19 x 0,254     | 1,25      | FKEE1819STK4   | 2,00      | 5,60      | 6,30      | 89             | 26                        |
| 16                                                            | 19 x 0,287     | 1,40      | FKEE1619STK4   | 2,26      | 6,20      | 6,90      | 106            | 30                        |
| 14                                                            | 19 x 0,361     | 1,75      | FKEE1419STK4   | 2,69      | 7,30      | 8,00      | 147            | 41                        |
| 12                                                            | 19 x 0,455     | 2,36      | FKEE1219STK4   | 3,17      | 8,50      | 9,40      | 217            | 54                        |