

# FLUOROPLASTIC SIGNAL CABLE, ETFE MULTI-STRANDS, SHIELDED



CONDUCT – PROTECT – INSULATE

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## Fluoropolymer signal cable, ETFE, shielded, 3-strands, -65 to 150°C

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**Conductor:**

tinned copper (TPC)

**Strand insulation:**

ethylene tetrafluoroethylene (ETFE)

**Strand colors:**

white, red, black

**Shielding:**

braided tinned copper (TPC), 85% coverage

**Sheath:**

ethylene tetrafluoroethylene (ETFE)

**Sheath color:**

white

**Temperature range:**

- 65 to 150 °C

**Separating thread:**

for easier removal of the sheath

**Specification:** based on MIL-C-27500**Operating voltage:**

600/1000V AC U0/U

## Dimensions:

| AWG                   | Stranded Wires | Conductor | Item Number  | Insulated Wire | Shielding | Cable |                |                            |
|-----------------------|----------------|-----------|--------------|----------------|-----------|-------|----------------|----------------------------|
|                       | Number x Ø     | Ønom      |              | Ønom           | Ønom      | Ømax  | Weight nominal | I <sub>max</sub> bei 40 °C |
|                       | [mm]           | [mm]      |              | [mm]           | [mm]      | [mm]  | [g/m]          | [A]                        |
| ZL STZ 3, thin-walled |                |           |              |                |           |       |                |                            |
| 30                    | 7 x 0,102      | 0,30      | FKZL3007STZ3 | 0,61           | 1,75      | 2,25  | 10             | 4                          |
| 28                    | 7 x 0,127      | 0,38      | FKZL2807STZ3 | 0,68           | 1,90      | 2,40  | 11             | 5                          |
| 26                    | 19 x 0,102     | 0,48      | FKZL2607STZ3 | 0,81           | 2,20      | 2,70  | 15             | 7                          |
| 24                    | 19 x 0,127     | 0,60      | FKZL2419STZ3 | 0,91           | 2,40      | 2,90  | 18             | 10                         |
| 22                    | 19 x 0,160     | 0,76      | FKZL2219STZ3 | 1,09           | 2,80      | 3,30  | 24             | 13                         |
| 20                    | 19 x 0,203     | 0,96      | FKZL2019STZ3 | 1,30           | 3,30      | 3,80  | 33             | 17                         |
| 18                    | 19 x 0,254     | 1,21      | FKZL1819STZ3 | 1,55           | 3,80      | 4,30  | 46             | 23                         |
| 16                    | 19 x 0,287     | 1,36      | FKZL1619STZ3 | 1,70           | 4,10      | 4,80  | 56             | 27                         |
| 14                    | 19 x 0,361     | 1,70      | FKZL1419STZ3 | 2,06           | 4,90      | 5,60  | 82             | 36                         |
| 12                    | 37 x 0,320     | 2,20      | FKZL1237STZ3 | 2,62           | 6,10      | 6,80  | 120            | 49                         |
| ZN STZ 3, normal wall |                |           |              |                |           |       |                |                            |
| 30                    | 7 x 0,102      | 0,30      | FKZN3007STZ3 | 0,75           | 2,10      | 2,60  | 12             | 4                          |
| 28                    | 7 x 0,127      | 0,38      | FKZN2807STZ3 | 0,83           | 2,30      | 2,80  | 14             | 5                          |
| 26                    | 19 x 0,102     | 0,48      | FKZN2607STZ3 | 0,96           | 2,50      | 3,00  | 17             | 7                          |
| 24                    | 19 x 0,127     | 0,60      | FKZN2419STZ3 | 1,14           | 2,90      | 3,40  | 23             | 10                         |
| 22                    | 19 x 0,160     | 0,76      | FKZN2219STZ3 | 1,32           | 3,30      | 3,80  | 29             | 13                         |
| 20                    | 19 x 0,203     | 0,96      | FKZN2019STZ3 | 1,52           | 3,80      | 4,30  | 38             | 17                         |
| 18                    | 19 x 0,254     | 1,21      | FKZN1819STZ3 | 1,80           | 4,40      | 5,10  | 53             | 23                         |
| 16                    | 19 x 0,287     | 1,36      | FKZN1619STZ3 | 2,01           | 4,80      | 5,50  | 64             | 27                         |
| 14                    | 19 x 0,361     | 1,70      | FKZN1419STZ3 | 2,36           | 5,60      | 6,30  | 89             | 36                         |
| 12                    | 37 x 0,320     | 2,20      | FKZN1237STZ3 | 2,90           | 6,70      | 7,40  | 130            | 49                         |
| 10                    | 37 x 0,404     | 2,82      | FKZN1037STZ3 | 3,53           | 8,20      | 9,00  | 197            | 66                         |