

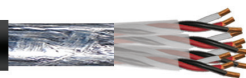
DATA AND INSTRUMENTATION CABLES

GAALFLEX® TRAY INSTRUMENTATION 600 TOS

Special triads XLPE/PVC UV and oil resistant, with overall Aluminium tape screen, TC-ER 90°C 600V Dry or wet, UL 1277 type TC



ELETTROTEK KABEL® GAALFLEX® INSTRUMENTATION 600 TOS



Construction:

| | |
|----------------------|---|
| Conductor: | stranded red copper conductor similar Cl. 2, acc. to IEC 60228, ASTM B33 and B8 |
| Insulation: | special XLPE compound flame-retardant |
| Colour cores: | acc. to ICEA table E1: triads: black, white and red numbered |
| Stranding: | in triads |
| Screen: | aluminium tape + PETP foil |
| Outer sheath: | black (RAL 9005), special PVC oil and UV resistance compound |

Resistance:



Fire performance acc. to:
UL 1581 / IEEE 383



Low smoke emission acc. to:
UL 1685

Technical data:

| | |
|-----------------------------|-------------------------------|
| Nominal voltage: | UL: 600V |
| Test voltage: | 4 kV |
| Temperature range | UL: - 40°C up to +90°C |
| Min. bending radius: | |
| <i>Fixed laying:</i> | 5 x d |
| <i>During Installation:</i> | 8 x d |

Features:

- on request tinned copper conductor
- on request flexible conductors
- on request acc. to Method 4 color coded
- on request fire performance acc. to FT4 and IEEE 1202
- UV and weather resistance
abrasion and chemical resistance
- Type TC-ER UL 600V 90°C dry or wet
sunlight resistant oil resistant | direct burial
- TC: UL Standard 1277
- acc. to UL 1581
- acc. to EPA 40 CFR, Part 261, Subpart C,
heavy metals per table 1, TCLP method
- acc. to ICEA S-95-658 (WC70)
- approved for class 1 div 2 hazardous location
acc. to NEC article 501 (TC)
- acc. to NEC article 336 applications
- on request RoHS and CE approval

| Part no. | No. of triad(s) x cross section n x AWG | Outer-Ø ca. mm ± 10% | Copper weight Lbs/Mft - kg/km | Cable weight approx. Lbs/Mft - kg/km |
|----------------|---|----------------------------|-------------------------------------|--|
| 32110F7T023A18 | 2 x 3 x 18 | 0,604 - 15,34 | - | 138 - 206 |
| 32110F7T043A18 | 4 x 3 x 18 | 0,703 - 17,86 | - | 228 - 339 |
| 32110F7T083A18 | 8 x 3 x 18 | 0,903 - 22,91 | - | 388 - 577 |
| 32110F7T123A18 | 12 x 3 x 18 | 1,142 - 29,01 | - | 596 - 887 |
| 32110F7T163A18 | 16 x 3 x 18 | 1,330 - 33,78 | - | 807 - 1200 |
| 32110F7T243A18 | 24 x 3 x 18 | 1,632 - 41,45 | - | 1133 - 1685 |
| 32110F7T363A18 | 36 x 3 x 18 | 1,869 - 47,47 | - | 1586 - 2360 |
| 32110F7T023A16 | 2 x 3 x 16 | 0,656 - 16,66 | - | 156 - 232 |
| 32110F7T043A16 | 4 x 3 x 16 | 0,780 - 19,81 | - | 291 - 433 |
| 32110F7T083A16 | 8 x 3 x 16 | 1,028 - 26,11 | - | 545 - 811 |
| 32110F7T123A16 | 12 x 3 x 16 | 1,271 - 32,28 | - | 735 - 1094 |
| 32110F7T163A16 | 16 x 3 x 16 | 1,452 - 36,88 | - | 973 - 1448 |
| 32110F7T243A16 | 24 x 3 x 16 | 1,808 - 45,92 | - | 1516 - 2256 |
| 32110F7T363A16 | 36 x 3 x 16 | 2,071 - 52,60 | - | 2136 - 3178 |

Other dimension and colours available on request.