

# 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:

<b>Conductor:</b>	stranded red copper conductor similar Cl. 2, acc. to IEC 60228, ASTM B33 and B8
<b>Insulation:</b>	special XLPE compound flame-retardant
<b>Colour cores:</b>	acc. to ICEA table E1: triads: black, white and red numbered
<b>Stranding:</b>	in triads
<b>Screen:</b>	aluminium tape + PETP foil
<b>Outer sheath:</b>	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:

<b>Nominal voltage:</b>	<b>UL:</b> 600V
<b>Test voltage:</b>	4 kV
<b>Temperature range</b>	<b>UL:</b> - 40°C up to +90°C
<b>Min. bending radius:</b>	
<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
- 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.