

# DATA AND INSTRUMENTATION CABLES

## GAALFLEX® TRAY INSTRUMENTATION 600 STOS

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



ELETTROTEK KABEL® GAALFLEX® INSTRUMENTATION 600 STOS



### Construction:

<b>Conductor:</b>	stranded red copper conductor similar Cl. 2, acc. to IEC 60228, ASTM B33 and B
<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>	
<i>Individual:</i>	aluminium tape + PETP foil on each pair
<i>Overall:</i>	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 Method 4 color code
- 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 I 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
32120F7T013A18	1 x 3 x 18	0,331 - 8,41	-	59 - 75
32120F7T013A16	1 x 3 x 16	0,357 - 9,07	-	75 - 94
32120F7T013A14	1 x 3 x 14	0,387 - 9,83	-	98 - 146

Other dimension and colours available on request.