

## GAALFLEX® TRAY INSTRUMENTATION 600 SPOS PVC

Special paired PVC-Nylon/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 SPOS PVC



### Construction:

<b>Conductor:</b>	Stranded red copper, acc.to ASTM B-3, Class B and ASTM B-8
<b>Insulation:</b>	special PVC/Nylon type TFN acc. to UL 66, flame-retardant 90°C
<b>Colour cores:</b>	acc. to ICEA table E1: pairs: black and white numbered
<b>Stranding:</b>	in pairs
<b>Screen:</b>	
<i>Individual:</i>	aluminium tape + PETP foil, + tinned copper drain wire
<i>Overall:</i>	aluminium tape + PETP foil, + tinned copper drain wire
<b>Ripcord:</b>	nylon ripcord under outer sheath
<b>Outer sheath:</b>	black (RAL 9005), special PVC compound, flame retardant and UV resistance

### Technical data:

<b>Nominal voltage UL:</b>	600 V
<b>Test voltage:</b>	4 kV
<b>Temperature range UL:</b>	
<i>Dry:</i>	up to +90°C
<i>Wet:</i>	up to +75°C
<b>Min. bending radius:</b>	
<i>Fixed laying:</i>	5 x d
<i>During Installation:</i>	8 x d

### Resistance:



**Fire performance acc. to:**  
UL 1685 / IEEE 383  
vertical fire test at 70.000 BTU/hr

### Features:

cable for tray use  
outdoor use  
sunlight moisture and weather resistance  
oil and gasoline resistance due to PVC/Nylon insulation  
DIRECT BURIAL  
LEAD FREE  
suitable for use in cable trays, raceways, conduit or for aerial applications where installed with a messenger  
type TC acc. to NEC 2008 and NEC 2011 Article 336  
suitable in class I Division 2 and Class 2 Division 2 Hazardous Locations and intrinsically safe application  
acc. to NEC 2008 and NEC 2011 articles 392, 501, 502, 503, 505  
suitable in class 1 circuits, acc. to NEC 2008 and NEC 2011 articles 336.10 and 725 for type TC cables  
suitable for nonpower-limited alarm circuits  
acc. to NEC 2008 and NEC 2011 articles 336.10 and 760.46  
on request tinned copper conductors  
on request welded and corrugated aluminium armor and PVC outer sheath  
on request interlocked aluminium armour with or without PVC outer sheath  
RoHS approval



### UL Standards

**TC: UL Standard 1277 Dry or Wet 90°C 600 V**

**UL 66: fixture for 18/16 AWG, type TFN 90°C 600 V**

# DATA AND INSTRUMENTATION CABLES

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Part no.	No. of pair(s) x cross section n x AWG	Outer-Ø Inches/mm ± 10%	Copper weight Lbs/Mft - kg/km	Cable weight approx. Lbs/Mft - kg/km
32151F7K022A18	2 x 2 x 18	0,429 - 10,9	-	96 - 143
32151F7K042A18	4 x 2 x 18	0,498 - 12,65	-	139 - 207
32151F7K062A18	6 x 2 x 18	0,595 - 15,11	-	194 - 288
32151F7K082A18	8 x 2 x 18	0,678 - 17,22	-	257 - 382
32151F7K102A18	10 x 2 x 18	0,794 - 20,17	-	314 - 467
32151F7K122A18	12 x 2 x 18	0,819 - 20,8	-	359 - 534
32151F7K162A18	16 x 2 x 18	0,951 - 24,16	-	490 - 729
32151F7K202A18	20 x 2 x 18	1,053 - 26,75	-	592 - 881
32151F7K242A18	24 x 2 x 18	1,169 - 29,69	-	695 - 1034
32151F7K362A18	36 x 2 x 18	1,336 - 33,93	-	987 - 1469
32151F7K502A18	50 x 2 x 18	1,572 - 39,93	-	1314 - 1955
32151F7K022A16	2 x 2 x 16	0,48 - 12,19	-	127 - 189
32151F7K032A16	3 x 2 x 16	0,514 - 13,06	-	145 - 216
32151F7K042A16	4 x 2 x 16	0,59 - 14,99	-	201 - 299
32151F7K062A16	6 x 2 x 16	0,694 - 17,63	-	270 - 402
32151F7K082A16	8 x 2 x 16	0,763 - 19,38	-	344 - 512
32151F7K102A16	10 x 2 x 16	0,937 - 23,8	-	455 - 677
32151F7K122A16	12 x 2 x 16	0,966 - 24,54	-	521 - 775
32151F7K162A16	16 x 2 x 16	1,072 - 27,23	-	660 - 982
32151F7K202A16	20 x 2 x 16	1,19 - 30,23	-	801 - 1192
32151F7K242A16	24 x 2 x 16	1,323 - 33,60	-	944 - 1405
32151F7K362A16	36 x 2 x 16	1,536 - 39,01	-	1370 - 2039
32151F7K502A16	50 x 2 x 16	1,849 - 46,96	-	1914 - 2848

Other dimensions and colors available on request.