

# DATA AND INSTRUMENTATION CABLES

## GAALFLEX® TRAY INSTRUMENTATION ITC-PLTC 300 TOS

Special triads PVC/PVC UV resistant, with overall Aluminium tape screen, ITC-PLTC 105°C 300V, UL 2250 and UL 13



ELETTROTEK KABEL® GAALFLEX® TRAY INSTRUMENTATION ITC-PLTC 300 TOS



### Construction:

<b>Conductor:</b>	Stranded red copper, acc.to ASTM B-3, Class B and ASTM B-8
<b>Insulation:</b>	special PVC compound acc. to UL 66 and UL 2250, flame-retardant 105°C
<b>Colour cores:</b>	acc. to ICEA table E1: traids: black, white and red numbered
<b>Stranding:</b>	in triads
<b>Screen:</b>	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>	300 V
<b>Test voltage:</b>	1,5 kV
<b>Temperature range UL:</b>	up to +105°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 / FT4 / IEEE 1202  
vertical fire test at 70.000 BTU/hr

### Features:

- cable for tray use
- outdoor use
- sunlight and moisture resistance
- LEAD FREE
- suitable for installations acc. to NEC 2008 and NEC 2011 Article 725 for Type PLTC cables and NEC 2008 and NEC 2011 Article 727 for Type ITC cables
- suitable substitute for General purpose Class 2 (CL2X) and Class 3 (CL3) wiring, as well as Dwelling unit Class 2 (CL2X) and Class 3 (CL3X) wiring as per NEC 2008 and NEC 2011 Article 725
- or request DIRECT BURIAL
- on request tinned copper conductors with "0" on fifth digit of the part number
- 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

PLTC: acc. to UL 13, ITC: acc. to UL 2250

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Part no.	No. of triad(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
32161C7K012A20	1 x 3 x 20	0,222 - 5,64	-	33 - 49
32161C7K022A20	2 x 3 x 20	0,357 - 9,07	-	70 - 104
32161C7K042A20	4 x 3 x 20	0,433 - 11	-	107 - 159
32161C7K082A20	8 x 3 x 20	0,556 - 14,12	-	181 - 269
32161C7K102A20	10 x 3 x 20	0,67 - 17,02	-	233 - 347
32161C7K122A20	12 x 3 x 20	0,69 - 17,53	-	266 - 396
32161C7K162A20	16 x 3 x 20	0,765 - 19,43	-	336 - 500
32161C7K202A20	20 x 3 x 20	0,849 - 21,56	-	406 - 604
32161C7K242A20	24 x 3 x 20	0,963 - 24,46	-	496 - 738
32161C7K362A20	36 x 3 x 20	1,099 - 27,91	-	698 - 1039
32161C7K502A20	50 x 3 x 20	1,312 - 33,32	-	961 - 1430
32161C7K012A18	1 x 3 x 18	0,242 - 6,15	-	42 - 63
32161C7K022A18	2 x 3 x 18	0,413 - 10,49	-	96 - 143
32161C7K042A18	4 x 3 x 18	0,476 - 12,09	-	141 - 210
32161C7K082A18	8 x 3 x 18	0,635 - 16,13	-	254 - 378
32161C7K102A18	10 x 3 x 18	0,741 - 18,82	-	311 - 463
32161C7K122A18	12 x 3 x 18	0,764 - 19,41	-	358 - 533
32161C7K162A18	16 x 3 x 18	0,849 - 21,56	-	454 - 676
32161C7K202A18	20 x 3 x 18	0,963 - 24,46	-	571 - 850
32161C7K242A18	24 x 3 x 18	1,07 - 27,18	-	674 - 1003
32161C7K362A18	36 x 3 x 18	1,224 - 31,09	-	958 - 1426
32161C7K502A18	50 x 3 x 18	1,462 - 37,13	-	1321 - 1966
32161C7K012A16	1 x 3 x 16	0,267 - 6,78	-	58 - 86
32161C7K022A16	2 x 3 x 16	0,460 - 11,68	-	126 - 188
32161C7K042A16	4 x 3 x 16	0,533 - 13,54	-	192 - 286
32161C7K082A16	8 x 3 x 16	0,713 - 18,11	-	352 - 524
32161C7K102A16	10 x 3 x 16	0,836 - 21,23	-	432 - 643
32161C7K122A16	12 x 3 x 16	0,863 - 21,92	-	500 - 744
32161C7K162A16	16 x 3 x 16	0,981 - 24,92	-	661 - 984
32161C7K202A16	20 x 3 x 16	1,089 - 27,66	-	807 - 1201
32161C7K242A16	24 x 3 x 16	1,212 - 30,78	-	954 - 1420
32161C7K362A16	36 x 3 x 16	1,41 - 35,81	-	1396 - 2077
32161C7K502A16	50 x 3 x 16	1,681 - 42,7	-	1923 - 2862

Other dimensions and colors available on request.