

DATA AND INSTRUMENTATION CABLES

GAALFLEX® TRAY INSTRUMENTATION ITC-PLTC 300 POS

Special paired 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 POS



Construction:

Conductor:	Stranded red copper, acc.to ASTM B-3, Class B and ASTM B-8
Insulation:	special PVC compound acc. to UL 66 and UL 2250, flame-retardant 105°C
Colour cores:	acc. to ICEA table E1: pairs: black and white numbered
Stranding:	in pairs
Communication wire:	orange communication wire provided for calibration from 4 pairs and higher
Screen:	aluminium tape + PETP foil, + tinned copper drain wire
Ripcord:	nylon ripcord under outer sheath
Outer sheath:	black (RAL 9005), special PVC compound, flame retardant and UV resistance

Technical data:

Nominal voltage UL:	300 V
Test voltage:	1,5 kV
Temperature range UL:	up to +105°C
Min. bending radius:	
<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 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
32141C7K012A20	1 x 2 x 20	0,212 - 5,38	-	27 - 40
32141C7K022A20	2 x 2 x 20	0,264 - 6,71	-	49 - 73
32141C7K042A20	4 x 2 x 20	0,353 - 8,97	-	74 - 110
32141C7K082A20	8 x 2 x 20	0,485 - 12,32	-	133 - 198
32141C7K102A20	10 x 2 x 20	0,529 - 13,44	-	158 - 235
32141C7K122A20	12 x 2 x 20	0,57 - 14,48	-	182 - 271
32141C7K162A20	16 x 2 x 20	0,662 - 16,81	-	243 - 362
32141C7K202A20	20 x 2 x 20	0,726 - 18,44	-	291 - 433
32141C7K242A20	24 x 2 x 20	0,783 - 19,89	-	338 - 503
32141C7K362A20	36 x 2 x 20	0,951 - 24,16	-	495 - 737
32141C7K502A20	50 x 2 x 20	1,095 - 27,81	-	658 - 979
32141C7K012A18	1 x 2 x 18	0,23 - 5,84	-	34 - 51
32141C7K022A18	2 x 2 x 18	0,302 - 7,67	-	67 - 100
32141C7K042A18	4 x 2 x 18	0,413 - 10,49	-	105 - 156
32141C7K082A18	8 x 2 x 18	0,541 - 13,74	-	176 - 262
32141C7K102A18	10 x 2 x 18	0,592 - 15,04	-	211 - 314
32141C7K122A18	12 x 2 x 18	0,67 - 17,02	-	258 - 384
32141C7K162A18	16 x 2 x 18	0,742 - 18,85	-	326 - 485
32141C7K202A18	20 x 2 x 18	0,851 - 21,62	-	393 - 585
32141C7K242A18	24 x 2 x 18	0,901 - 22,89	-	476 - 708
32141C7K362A18	36 x 2 x 18	1,071 - 27,2	-	675 - 1005
32141C7K502A18	50 x 2 x 18	1,236 - 31,39	-	901 - 1341
32141C7K012A16	1 x 2 x 16	0,254 - 6,45	-	47 - 70
32141C7K022A16	2 x 2 x 16	0,339 - 8,61	-	91 - 135
32141C7K042A16	4 x 2 x 16	0,464 - 11,79	-	142 - 211
32141C7K082A16	8 x 2 x 16	0,633 - 16,08	-	256 - 381
32141C7K102A16	10 x 2 x 16	0,693 - 17,6	-	307 - 457
32141C7K122A16	12 x 2 x 16	0,748 - 19	-	357 - 531
32141C7K162A16	16 x 2 x 16	0,844 - 21,44	-	454 - 676
32141C7K202A16	20 x 2 x 16	0,949 - 24,1	-	570 - 848
32141C7K242A16	24 x 2 x 16	1,026 - 26,06	-	667 - 993
32141C7K362A16	36 x 2 x 16	1,224 - 31,09	-	956 - 1423
32141C7K502A16	50 x 2 x 16	1,437 - 36,5	-	1314 - 1955

Other dimensions and colors available on request.