

DATA AND INSTRUMENTATION CABLES

GAALFLEX® TRAY INSTRUMENTATION ITC-PLTC 300 STOS

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



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



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: triads: black, white and red numbered
Stranding:	in triads
Screen:	
<i>Individual:</i>	aluminium tape + PETP foil, + tinned copper drain wire
<i>Overall:</i>	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

Resistance:



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

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

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
32171C7K022A20	2 x 3 x 20	0,357 - 9,07	-	77 - 115
32171C7K042A20	4 x 3 x 20	0,433 - 11	-	122 - 182
32171C7K082A20	8 x 3 x 20	0,556 - 14,12	-	212 - 315
32171C7K102A20	10 x 3 x 20	0,670 - 17,02	-	272 - 405
32171C7K122A20	12 x 3 x 20	0,690 - 17,53	-	313 - 466
32171C7K162A20	16 x 3 x 20	0,765 - 19,43	-	399 - 594
32171C7K202A20	20 x 3 x 20	0,849 - 21,56	-	485 - 722
32171C7K242A20	24 x 3 x 20	0,963 - 24,46	-	591 - 880
32171C7K362A20	36 x 3 x 20	1,099 - 27,91	-	841 - 1252
32171C7K502A20	50 x 3 x 20	1,275 - 32,39	-	1155 - 1719
32171C7K022A18	2 x 3 x 18	0,431 - 10,95	-	108 - 161
32171C7K042A18	4 x 3 x 18	0,476 - 12,09	-	160 - 238
32171C7K082A18	8 x 3 x 18	0,635 - 16,13	-	293 - 436
32171C7K102A18	10 x 3 x 18	0,741 - 18,82	-	360 - 536
32171C7K122A18	12 x 3 x 18	0,764 - 19,41	-	416 - 619
32171C7K162A18	16 x 3 x 18	0,849 - 21,56	-	533 - 793
32171C7K202A18	20 x 3 x 18	0,963 - 24,46	-	671 - 999
32171C7K242A18	24 x 3 x 18	1,070 - 27,18	-	793 - 1180
32171C7K362A18	36 x 3 x 18	1,224 - 31,09	-	1137 - 1692
32171C7K502A18	50 x 3 x 18	1,420 - 36,07	-	1565 - 2329
32171C7K022A16	2 x 3 x 16	0,460 - 11,68	-	146 - 217
32171C7K042A16	4 x 3 x 16	0,533 - 13,53	-	221 - 329
32171C7K082A16	8 x 3 x 16	0,713 - 18,11	-	410 - 610
32171C7K102A16	10 x 3 x 16	0,836 - 21,23	-	504 - 750
32171C7K122A16	12 x 3 x 16	0,863 - 21,92	-	587 - 874
32171C7K162A16	16 x 3 x 16	0,981 - 24,92	-	777 - 1156
32171C7K202A16	20 x 3 x 16	1,089 - 27,66	-	953 - 1418
32171C7K242A16	24 x 3 x 16	1,212 - 30,78	-	1130 - 1682
32171C7K362A16	36 x 3 x 16	1,410 - 35,81	-	1660 - 2470
32171C7K502A16	50 x 3 x 16	1,613 - 40,97	-	2252 - 3351

Other dimensions and colors available on request.