

## GAALFLEX® TRAY VFD 1420

Inverter, connection to frequency converters, UV Resistant,

UL 1277, WTTC 90°C DRY 1000 V, UL type TC-ER 2000 V 90°C Dry 90°C wet, cUL type CIC/TC FT4



ELETTROTEK KABEL® SPECIAL GAALFLEX® TRAY VFD 1420 2000 V  
UL 1277 Type TC-ER, 2000 V, 90°C Dry 90°C Wet, SUN RES., DRB BUR  
UL type RHH-2 conductors per UL 44  
CSA: c (UL) CIC/TC FT4



### Construction:

- Conductor:** finely stranded red copper,  
acc.to ASTM B-3 and ASTM B-174
- Insulation:** speci I XLPE compound
- Cores color:** acc. to ICEA S-58 679 method 4  
black conductors whit number printed
- Earth conductor:** finely stranded red copper  
acc.to ASTM B-3 or ASTM B-174
- Earth conductor insulation:** uninsulated
- Stranding:** in layers
- Screen:** red copper tape
- Outer Sheath:** black (similar RAL 9005),  
special PVC compound

### Technical data:

- Nominal voltage UL:** 2000 V
- Temperature range**
- Fixed laying:* - 25 °C up to + 90 °C
- Flexible installation:* - 25 °C up to + 90 °C
- Min. bending radius** 12 x d

### Resistance:



#### Flame test acc. to:

UL 1581 / UL 2556 VW-1, CSA FT4,  
UL 1685 vertical flame test,  
IEEE 383, IEEE 1202 vertical tray flame test,  
ICEA T-29-520

### Features:

- UV resistant
- outdoor use
- installation in hazardous areas
- UL 1277 type TC-ER 2000 V, 90°C Dry 90°C Wet
- WTTC 90°C DRY 1000 V
- UL: type RHH or RHW-2 conductors per UL 44  
and ICEA S-95-658, NEMA WC 70
- on request UL type TC-ER 600 V 90°C Dry 90°C Wet
- CSA: c (UL) CIC/TC FT4
- RoHS approval
- EPA 40 CFR, part 261
- OSHA and MSHA on request
- on request special EPR compound insulation version
- tinned copper on request



### UL/CSA Standards:

- UL 44 2000 V thermoplastic insulation
- UL 1277 60°C for Oil Res I
- CSA C22.2 No 230 for tray cable
- CSA C22.2 No 239 for control and instrumentation cable

Part no.	No. of cores x cross section n x AWG/MCM	Outer Ø inches/mm ±10%	Copper weight Lbs/Mft - kg/km	Cable weight approx. Lbs/Mft - kg/km
33120171037A14	3 x 14 + 3 G 18	0,58 - 14,73	91 - 135	212 - 315
33120171037A12	3 x 12 + 3 G 16	0,615 - 15,37	127 - 189	260 - 387
33120171037A10	3 x 10 + 3 G 14	0,67 - 24,8	183 - 272	329 - 490
33120171037A08	3 x 8 + 3 G 14	0,77 - 28,1	246 - 366	441 - 656
33120171037A06	3 x 6 + 3 G 12	0,895 - 31,4	368 - 548	618 - 920
33120171037A04	3 x 4 + 3 G 12	0,995 - 36,1	522 - 777	830 - 1235
33120171037A02	3 x 2 + 3 G 10	1,125 - 38,9	801 - 1192	1152 - 1714
33120171037A1C	3 x 1/0 + 3 G 6	1,385 - 35,18	1348 - 2006	1853 - 2757
33120171037A2C	3 x 2/0 + 3 G 6	1,48 - 37,59	1616 - 2405	2169 - 3227
33120171037A3C	3 x 3/0 + 3 G 5	1,59 - 40,39	2010 - 2991	2619 - 3897
33120171037A4C	3 x 4/0 + 3 G 4	1,78 - 45,21	2517 - 3745	3241 - 4823
33120171037A5C	3 x 250 + 3G 4	1,94 - 49,28	2895 - 4308	3763 - 5599
33120171037A7C	3 x 350 + 3 G 2	2,16 - 54,86	4089 - 6084	5109 - 7602
33120171037AAC	3 x 500 + 3 G 1	2,45 - 62,36	5693 - 8471	6933 - 10316

Other dimension and colours available on request.