

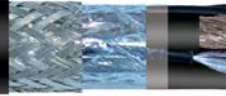
# GAALFLEX® VFD CABLES

## GAALFLEX® TRAY VFD I 520

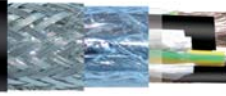
Inverter, connection to frequency converters, UV Resistant, UL 2277 WTTC 1000 V 90°C Dry 75°C Wet



ELETTROTEK KABEL® GAALFLEX® TRAY VFD 1520  
UL Type TC-ER c(UL) Type CIC FT4, Sun Res, Oil Res I  
UL style 1277 60°C 600 V WTTC and  
UL 1277, UL type TC-ER for 600 V on request  
UL style 2277 WTTC 1000 V 90°C dry



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### Construction:

<b>Conductor:</b>	flexible tinned copper conductor Cl. 5, acc. to IEC 60228, DIN VDE 0295
<b>Insulation:</b>	GAALTHERM® 530
<b>Cores color:</b>	4 conductors: black conductors and green/yellow or 3 black conductors + 3 earth conductors
<b>Stranding:</b>	in layers
<b>Screen:</b>	aluminium tape + PETP foil and tinned copper braid + tinned copper drain wire
<b>Ripcord:</b>	high strength ripcord under outer sheath
<b>Outer Sheath:</b>	black (similar RAL 9005), special CPE compound

### Resistance:



**Fire performance acc. to:**  
c(UL) FT4

### Features:

MSHA APPROVED  
UV resistant  
outdoor use  
installation in hazardous areas  
UL TC-ER c(UL) Type CIC FT4, Sun Res, Oil Res I  
UL 1277 60°C 600 V WTTC and  
UL 1277, UL type TC-ER for 600 V on request  
UL 2277 WTTC 1000 V 90°C dry  
suitable for application acc. to EN 55011, DIN VDE 0875  
and EN 61800-3  
RoHS approval



### UL/CSA Standards:

ASTM B-3  
ASTM B-33  
ASTM B-172  
ASTM B-174  
UL 66 basic construction, test and marking  
UL 83 600 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

### Technical data:

<b>Nominal voltage UL:</b>	1000 V
<b>Temperature range</b>	
<i>Fixed laying:</i>	- 25 °C up to + 90 °C
<i>Flexible installation:</i>	- 25 °C up to + 90 °C
<b>Min. bending radius</b>	6 x D

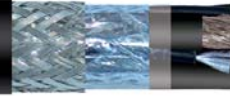
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## GAALFLEX® TRAY VFD I 520

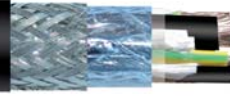
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Part no.	No. of cores x cross section n x mm <sup>2</sup>	Outer Ø inches/mm ±10%	Cable weight approx. Lbs/Mft - kg/km	AWG no.)*
33090H70041A16	4 G 1,5	0,395 - 10	121 - 180	16
33090H70041A14	4 G 2,5	0,435 - 11	153 - 228	14
33090H70041A12	4 G 4	0,475 - 12,1	197 - 293	12
33090H70041A10	4 G 6	0,595 - 15,1	296 - 441	10
33090H70041A08	4 G 10	0,73 - 18,5	440 - 654	8
33090H70041A06	4 G 16	0,825 - 21	609 - 907	6
33090H70041A04	4 G 25	1,045 - 26,5	940 - 1399	4
33090H70041A02	4 G 35	1,19 - 30,2	1328 - 1976	2
33090H70041A01	4 G 50	1,33- 33,8	1651 - 2457	1
33090H70041A2C	4 G 70	1,545 - 39,2	2405 - 3579	2/0
33090H70041A3C	4 G 95	1,665 - 42,3	2917 - 4340	3/0
33090H70041A4C	4 G 120	1,915 - 48,6	3721 - 5536	4/0
33090H70041A5C	4 G 150	2,09 - 53,1	4336 - 6452	250 MCM
33090H70041A7C	4 G 185	2,33 - 59,2	5809 - 8644	350 MCM
33090H70041A9C	4 G240	2,5 - 63,7	7437 - 11100	450 MCM
33090H70037A08	3x10+3G2,5	0,7 - 17,8	401 - 597	8 / 14
33090H70037A06	3x16+3G4	0,785 - 19,9	554 - 824	6 / 12
33090H70037A04	3x25+3G4	0,975 - 24,8	809 - 1204	4 / 12
33090H70037A02	3x35+3G6	1,105 - 28,1	1147 - 1707	2 / 10
33090H70037A01	3x50+3G10	1,235 - 31,4	1471 - 2189	1 / 8
33090H70037A2C	3x70+3G10	1,42 - 36,1	2032 - 3024	2/0 / 8
33090H70037A3C	3x95+3G16	1,53 - 38,9	2521 - 3751	3/0 / 6
33090H70037A4C	3x120+3G16	1,76 - 44,7	3139 - 4671	4/0 / 6
33090H70037A5C	3x150+3G16	1,915 - 48,6	3596 - 5351	250 MCM / 6
33090H70037A7C	3x185+3G25	2,13 - 54,1	4873 - 7521	350 MCM / 6
33090H70037A9C	3x240+3G35	2,26 - 57,3	6378 - 9520	450 MCM / 2

Other dimension and colours available on request.