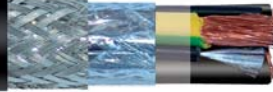


GAALFLEX® TRAY VFD 1405 600 V

Inverter, connection to frequency converters, UV Resistant,
UL 2277 WTTTC 1000 V, UL 1277 TC-ER 600 V 90°C Dry or 90°C Wet



ELETTROTEK KABEL® GAALFLEX® TRAY VFD 1405 600 V
UL 2277 WTTTC or Flexible Motor Supply
UL 1277 TC-ER (Oil-resistant according to UL OIL RES I and Water-resistant, UL 90°C Dry or 90°C Wet)



Construction:

CONDUCTOR:	FLEXIBLE RED COPPER CONDUCTOR CL. 5, ACC. TO IEC 60228, DIN VDE 0295 AND UL STANDARD 83
INSULATION:	FROM 18 AWG UP TO 16 AWG: PVC COMPOUND, CORE TYPE THHW FROM 14 AWG AND OVER: XLPE COMPOUND, CORE TYPE XHHW-2
CORES COLOR:	3x..+3g..: 3 BLACK CONDUCTORS NUMBERED + 3 GREEN-YELLOW CONDUCTORS DIVIDED IN 3 INERTSTICES 3x..+1g../4g..+(2x..): BLACK CORES WITH CONSECUTIVE NUMBERS ACC. TO EN 50334 + GREEN/YELLOW
STRANDING:	3x..+1g..: CORES TWISTED TOGETHER + FILLERS 3x..+3g..: PHASE UNITS LAID UP WITH EARTH-CONDUCTORS IN INTERSTICES 4g..+(2x..): CONTROL CORES TWISTED IN PAIR(S) AND SCREENED, SUPPLY CORES AND CONTROL SCREENED PAIR(S) TWISTED TOGETHER
INDIVIDUAL SCREEN:	4g..+(2x..): ALUMINIUM TAPE + PETP FOIL AND TINNED COPPER BRAID 85% COVERAGE +/- 5%
OVERALL SCREEN:	ALUMINIUM TAPE + PETP FOIL AND TINNED COPPER BRAID 85% COVERAGE +/- 5%
OUTER SHEATH:	BLACK (SIMILAR RAL 9005), GAALTHERM® 520

Resistance:



FLAME RETARDANT AND SELF-EXTINGUISHING ACC.TO:
UL FT4/IEEE 1202
UL 1685



UV RESISTANT / SUNLIGHT RESISTANT ACC. TO:
EN 50396 AND HD 605 A1, UL 1581

Features:

- UV RESISTANT
- OUTDOOR USE
- INSTALLATION IN HAZARDOUS AREAS
- ACC. TO UL 2277 WTTTC OR FLEXIBLE MOTOR SUPPLY
- ACC. TO UL 1277 (OIL-RESISTANT ACCORDING TO UL OIL RES I AND WATER-RESISTANT, UL 90°C DRY OR 90°C WET)
- UL ONLY FOR TC-ER USE
- ON REQUEST 2000 V VERSIONS
- c(UL) TYPE CIC/TC FT4, AWM I/II A/B FT4
- ON REQUEST DIRECT BURIAL
- ACC. TO NFPA 79 AND NEC 336.10(7) CLASS 1, DIV. 2 ART. 336, 392, 501
- SUITABLE FOR APPLICATION ACC. TO EN 55011, DIN VDE 0875 AND EN 61800-3
- SUITABLE FOR CHAIN APPLICATION, SEE TECHNICAL DATA*
- ROHS AND CE APPROVAL



UL Standards:

- UL 1277
- UL 2277

Technical data:

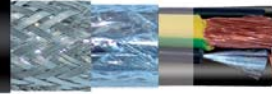
NOMINAL VOLTAGE:	UL 1277 TC-ER 600 V UL 2277 WTTTC / FLEXIBLE MOTOR SUPPLY 1000 V IEC: U ₀ /U 600/1000 V
TEMPERATURE RANGE:	UL: UP TO 90°C
FIXED LAYING:	-40 °C UP TO +105 °C
FLEXIBLE INSTALLATION:	-5 °C UP TO +105 °C
MIN. BENDING RADIUS	
FIXED LAYING:	6 x D
FLEXIBLE APPLICATION:	20 x D
*ON CHAIN APPLICATION:	> 10 x D
*CHAIN TRAVEL LENGHT:	≤ 5 mt
*CHAIN SPEED MAX.:	≤ 50 mt/min

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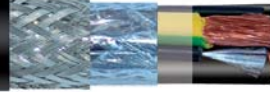
Part no.	No. of cores x cross section n x AWG/MCM	Outer Ø inches/mm ±10%	Copper weight Lbs/Mft - kg/km	Cable weight approx. Lbs/Mft - kg/km
33290F70041A18	4 g 18	0,36 - 9,1	43,9 - 65,4	106,6 - 158,7
33290F70041A16	4 g 16	0,38 - 9,7	58,1 - 86,4	126,1 - 187,6
33290F70041A14	4 g 14	0,47 - 12	98,8 - 147	203,3 - 302,5
33290F70041A12	4 g 12	0,57 - 14,4	143,4 - 213,4	285,7 - 425,2
33290F70041A10	4 g 10	0,61 - 15,6	200,9 - 298,9	359,8 - 535,4
33290F70041A08	4 g 8	0,78 - 19,9	321,5 - 478,4	578,4 - 860,7
33290F70041A06	4 g 6	0,93 - 23,5	487,9 - 726	829,6 - 1234,5
33290F70041A04	4 g 4	1,08 - 27,5	783 - 1165,2	1249 - 1858,7
33290F70041A03	4 g 3	1,13 - 28,8	837,6 - 1246,5	1332,1 - 1982,3
33290F70041A02	4 g 2	1,2 - 30,4	1062,2 - 1580,7	1601,6 - 2383,3
33290F70041A01	4 g 1	1,41 - 35,7	1481,1 - 2204	2188,6 - 3256,9
33290F70041A1C	4 g 1/0	1,51 - 38,3	1595,3 - 2373,9	2393,9 - 3562,3
33290F70041A2C	4 g 2/0	1,62 - 41,1	2098,8 - 3123,2	3044,8 - 4531
33290F70041A3C	4 g 3/0	1,82 - 46,3	2792,2 - 4155,1	3929,4 - 5847,3
33290F70041A4C	4 g 4/0	1,98 - 50,2	3466,8 - 5159	4732,6 - 7042,6
33290F70041A5C	4 g 250	2,14 - 54,3	4285,9 - 6377,8	5698,2 - 8479,4
33290F70041A7C	4 g 350	2,32 - 59	5243,9 - 7803,4	6665,1 - 9918,3
33290F70037A10	3 x 10 + 3 g 14	0,57 - 14,4	206,9 - 307,9	361,4 - 537,8
33290F70037A08	3 x 8 + 3 g 14	0,74 - 18,7	325,8 - 484,8	569,9 - 848,1
33290F70037A06	3 x 6 + 3 g 12	0,82 - 20,9	488,9 - 727,5	778,6 - 1158,6
33290F70037A04	3 x 4 + 3 g 12	0,99 - 25,2	682,9 - 1016,2	1067,1 - 1588
33290F70037A03	3 x 3 + 3 g 10	1,05 - 26,6	767,2 - 1141,6	1182,2 - 1759,2
33290F70037A02	3 x 2 + 3 g 10	1,09 - 27,6	911 - 1355,7	1327,6 - 1975,6
33290F70037A01	3 x 1 + 3 g 8	1,30 - 33	1331,4 - 1981,3	1929,2 - 2870,8
33290F70037A1C	3 x 1/0 + 3 g 8	1,34 - 34,1	1383,4 - 2058,6	1984,1 - 2952,5
33290F70037A2C	3 x 2/0 + 3 g 8	1,48 - 37,5	1750,8 - 2605,4	2464,1 - 3666,8
33290F70037A3C	3 x 3/0 + 3 g 6	1,6 - 40,7	2382,9 - 3546	3173,5 - 4722,5
33290F70037A4C	3 x 4/0 + 3 g 6	1,79 - 45,4	2895 - 4308	3827,9 - 5696,3
33290F70037A5C	3 x 250 + 3 g 4	1,94 - 49,2	3756,3 - 5589,8	4877,2 - 7257,8
33290F70037A7C	3 x 350 + 3 g 2	2,09 - 53,1	4675,8 - 6958,1	5908,6 - 8792,6
33290F70037A9C	3 x 450 + 3 g 2	2,35 - 59,6	5803,6 - 8636,3	7252,9 - 10793
33290F70037AAC	3 x 500 + 3 g 2	2,45 - 62,2	6084,4 - 9054,1	7599,9 - 11309,4

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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
33290F7004BA16	4 g 16 + (2 x 18)C	0,56 - 14,1	102 - 151,8	226,7 - 337,2
33290F7004BA14	4 g 14 + (2 x 18)C	0,59 - 15	128,4 - 191	287,2 - 427,4
33290F7004BA12	4 g 12 + (2 x 18)C	0,64 - 16,3	173,2 - 257,7	356 - 529,7
33291F7004BA14	4 g 14 + (2 x 16)C	0,61 - 15,4	145,1 - 215,9	315,6 - 469,7
33291F7004BA12	4 g 12 + (2 x 16)C	0,65 - 16,5	179 - 266,4	362,3 - 539,2
33291F7004BA10	4 g 10 + (2 x 16)C	0,7 - 17,8	248,4 - 369,7	461,9 - 687,4
33291F7004BA08	4 g 8 + (2 x 16)C	0,89 - 22,5	371,8 - 553,2	693,2 - 1031,5
33291F7004BA06	4 g 6 + (2 x 16)C	0,98 - 24,8	539,5 - 802,9	906,3 - 1348,6
33292F7004BA14	4 g 14 + (2 x 14)C	0,64 - 16,2	154,8 - 230,4	328,6 - 489
33292F7004BA12	4 g 12 + (2 x 14)C	0,69 - 17,4	198,8 - 295,9	393,9 - 586,2
33292F7004BA10	4 g 10 + (2 x 14)C	0,73 - 18,6	254,8 - 379,1	470,3 - 699,8
33292F7004BA08	4 g 8 + (2 x 14)C	0,91 - 23,2	374,1 - 556,7	700,1 - 1041,8
33292F7004BA06	4 g 6 + (2 x 14)C	1,01 - 25,7	578,4 - 860,7	986,4 - 1467,9
33292F7004BA04	4 g 4 + (2 x 14)C	1,14 - 29	831,9 - 1237,9	1310,7 - 1950,5
33292F7004BA02	4 g 2 + (2 x 14)C	1,28 - 32,5	1109,3 - 1650,7	1682,9 - 2504,3
33292F7004BA01	4 g 1 + (2 x 14)C	1,47 - 37,4	1528,7 - 2274,8	2254,4 - 3354,7
33292F7004BA2C	4 g 2/0 + (2 x 14)C	1,7 - 43,1	2147,2 - 3195,3	3106,5 - 4622,7

Other dimension and colours available on request.