

GAALFLEX® VFD 600

XLPE/PVC, Low voltage variable frequency drive systems, 600 V



ELETTROTEK KABEL® GAALFLEX® VFD 600

UL standard 44
UL standard 1277



Construction:

Conductor:	stranded red copper, acc.to ASTM B-3 and ASTM B-8
Insulation:	XLPE compound, acc. to UL 44 and VW-1 flame test
Earth conductor:	stranded red copper, acc.to ASTM B-3 and ASTM B-8
Cores color:	acc. to ICEA S-73-352 (NEMA WC 57) black conductors with number print
Stranding:	in layers + fillers + 3 earth conductor in interstices
Screen :	corrugated red copper tape
Outer Sheath:	black (similar RAL 9005), PVC compound, heat and moisture resistant acc. to UL1581 and UL 1277

Technical data:

Nominal voltage UL:	600 V
Temperature range	
<i>Fixed laying:</i>	- 40 °C up to + 90 °C
<i>Flexible installation:</i>	- 5 °C up to + 90 °C
Min. bending radius:	12 x d

Resistance:



Flame test acc. to:
IEEE 1202 , Flame test
ICEA T-29-520, Flame test

Features:

MSHA APPROVED

On request is possible:
2000 V nominal voltage version
Optional features are:

1. EPR insulation
2. CPE, LSZH or TPE Outer sheath

RoHS approval



UL Standards:

UL standard 44
UL standard 1277

Applications:

these cables are designed for use with low voltage (600 V) AC motors controlled for speed by modern PWM inverters.

Part no.	No. of cores x cross section n x AWG/MCM	Outer Ø Inches/mm ±10%	Cable weight approx. Lbs/Mft-kg/km
33230F70037A16	3 x 16 + 3 x 18	0,43 - 10,9	92 - 136
33230F70037A14	3 x 14 + 3 x 18	0,46 - 11,7	144 - 213
33230F70037A12	3 x 12 + 3 x 18	0,519 - 13	176 - 260
33230F70037A10	3 x 10 + 3 x 16	0,59 - 15	254 - 376
33230F70037A08	3 x 8 + 3 x 14	0,73 - 18,5	390 - 577
33230F70037A06	3 x 6 + 3 x 12	0,78 - 19,8	263 - 389
33230F70037A04	3 x 4 + 3 x 10	0,93 - 23,6	769 - 1138
33230F70037A02	3 x 2 + 3 x 8	1,11 - 28,2	1154 - 1655
33230F70037A01	3 x 1 + 3 x 8	1,28 - 32,5	1427 - 2112
33230F70037A1C	3 x 1/0 + 3 x 6	1,37 - 34,8	1764 - 2611)
33230F70037A2C	3 x 2/0 + 3 x 6	1,43 - 36,3	2077 - 3074
33230F70037A3C	3 x 3/0 + 3 x 4	1,55 - 39,4	2599 - 3847
33230F70037A4C	3 x 4/0 + 3 x 4	1,66 - 42,2	3093 - 4578
33230F70037A5C	3 x 250 MCM+ 3 x 4	1,88 - 47,8	3791 - 5611
33230F70037A7C	3 x 350 MCM + 3 x 2	2 - 50,8	5020 - 7430
33230F70037AAC	3 x 500 MCM + 3 x 1	2,3 - 58,4	7012 - 10378

Other dimension and colours available on request.