GAALFLEX® VFD 1300 A

Inverter, connection to frequency converters, UV Resistantt, acc. to BS 5467



Construction:

CONDUCTOR:	FLEXIBLE RED COPPER CONDUCTOR CL. 5, ACC TO IEC 60228, DIN VDE 0295
INSULATION:	GAALTHERM® 580
CORES COLOR:	ACC. TO DIN VDE 0293-308, HD 308 S2 3 CONDUCTORS + 3 EARTH CONDUCTORS: GREY, BROWN, BLACK AND GREEN/YELLOW DIVIDED IN INTERSTICES 4 CORES: GREEN/YELLOW, BROWN, BLACK, GREY
STRANDING:	IN LAYERS
SCREEN:	ALUMINIUM TAPE + PETP FOIL AND TINNED COPPER BRAID
INNER SHEATH:	BLACK (RAL 9005), SPECIAL PVC COMPOUND
ARMOURING:	STEEL WIRES
OUTER SHEATH:	BLACK (SIMILAR RAL 9005), SPECIAL PVC COMPOUND

Resistance:

SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:
DIN VDE 0482 PART 265-2-1,
EN 50265-2-1,
IEC 60332-1-2

Technical data:

NOMINAL VOLTAGE:	Uo/U 0,6/1 kV
TEST VOLTAGE:	4 kV
MAX. OPERATING VOLTAGE:	A.C. AND 3 PHASE 0,7/1,2 kV D.C. OPERATION 0,9/1,8 kV
PEAK VALUE Û:	1,7 kV
TEMPERATURE RANGE:	
FIXED LAYING:	- 40°C UP TO + 70°C
FLEXIBLE INSTALLATION:	- 5°C UP TO + 70°C
MAX. TEMPERATURE ON CONDUCTOR:	+ 90°C
MAX. TEMPERATURE IN SHORT CIRCUIT:	+ 250 C
MIN. BENDING RADIUS:	12 x D
INSULATION RESISTANCE:	MIN. 200 MOhm x km
RADIATION RESISTANCE:	UP TO 80 x 10^6 cJ/km
COUPLING RESISTANCE:	DEPENDING ON THE CROSS-SECTIION: MAX. 250 Ohm/km
MUTUAL CAPACITANCE (4 CONDUCTORS VERSION):	DEPENDING ON THE CROSS-SECTION CORE/CORE 70 TO 250 nF/km CORE/SCREEN 110 TO 410 nF/km

Features:

UV RESISTANT

OUTDOOR USE

ACC. TO DIN VDE 0250

EMC (ELECTROMAGNETIC COMPATIBILITY)

SUITABLE FOR APPLICATION ACC. TO EN 55011, DIN VDE 0875 AND EN 61800-3

LOW MUTUAL CAPACITANCE

LOW COUPLING RESISTANCE

ACC. TO BS 5467

ROHS AND CE APPROVAL

GAALFLEX® VFD 1300 A

Inverter, connection to frequency converters, UV Resistantt, acc. to BS 5467



Part no.	No.of cores x cross section n x mm²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.*)
33030G72041M15	4 g 1,5	12,2	95	265	16
33030G72041M25	4 g 2,5	14,1	150	345	14
33030G72041M40	4 g 4	16,7	235	560	12
33030G72041M60	4 g 6	16,4	320	730	10
33030G72041M61	4 g 10	18,9	533	995	8
33030G72041M62	4 g 16	26,9	789	1485	6
33030G72041M63	4 g 25	31	1236	2145	4
33030G72041M64	4 g 35	35,3	1662	3000	2
33030G72041M65	4 g 50	41,5	2345	3400	1
33030G72041M66	4 g 70	48,6	3196	4550	2/0
33030G72041M67	4 g 95	54,9	4316	6100	3/0
33030G72041M68	4 g 120	59,7	5435	7600	4/0
33030G72041M69	4 g 150	66,1	6394	8100	250 MCM
33030G72041M70	4 g 185	70,3	7639	9640	350 MCM
33030G72041M71	4 g 240	77,1	10013	12660	450 MCM
33030G72041M72	4 g 300	82,2	12570	15870	550 MCM
33030G72037M15	3 x 1,5 + 3 g 0,25	11,7	86	160	16 / 22
33030G72037M25	3 x 2,5 + 3 g 0,5	13,1	144	255	14 / 20
33030G72037M40	3 x 4 + 3 g 0,75	15	224	371	12 / 19
33030G72037M60	3 x 6 + 3 g 1	17,2	298	485	10 / 18
33030G72037M61	3 x 10 + 3 g 1,5	21,2	491	710	8 / 16
33030G72037M62	3 x 16 + 3 g 2,5	24,9	723	819	6 / 14
33030G72037M63	3 x 25 + 3 g 4	29,1	1138	945	4 / 12
33030G72037M64	3 x 35 + 3 g 6	32	1535	1975	2 / 10
33030G72037M65	3 x 50 +3 g 10	37,5	2208	2760	1 / 8
33030G72037M66	3 x 70 +3 g 10	44.9	2871	3514	2/0 / 8
33030G72037M67	3 x 95 + 3 g 16	50,9	3953	4790	3/0 / 6
33030G72037M68	3 x 120 + 3 g 16	53,2	4836	5835	4/0 / 6
33030G72037M69	3 x 150 + 3 g 25	61,5	5412	7050	250 MCM / 4
33030G72037M70	3 x 185 + 3 g 35	68,4	6969	8270	350 MCM / 2
33030G72037M71	3 x 240 + 3 g 50	75	8540	10975	450 MCM / 1
33030G72037M72	3 x 300 + 3 g 50	79,9	11050	13295	550 MCM / 1

Other dimension and colours available on request.