GAALFLEX® VFD 2XSLCH

acc. to CPR UE 305/11, EN 50575:2014 + A1:2016, $C_{ca-s1b, d1, a1}$



Construction:

CONDUCTOR:	FLEXIBLE RED COPPER CONDUCTOR CL. 5, ACC TO IEC 60228, DIN VDE 0295
INSULATION:	SPECIAL XLPE COMPOUND
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
OUTER SHEATH:	BLACK (SIMILAR RAL 9005), SPECIAL HALOGEN-FREE COMPOUND

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:	- 4°C UP TO + 90°C
FLEXIBLE INSTALLATION:	- 15°C UP TO + 90°C
MAX. TEMPERATURE ON CONDUCTOR:	+ 90°C
MAX. TEMPERATURE IN SHORT CIRCUIT:	+ 250°C
MIN. BENDING RADIUS	
FIXED LAYING:	UP TO 12 mm: 5 x D > 12 TO 20 mm: 7,5 x D > 20 mm: 10 x D
FLEXIBLE APPLICATION:	UP TO 12 mm: 10 x D > 12 TO 20 mm: 15 x D > 20 mm: 20 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

Resistance:

SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:
DIN VDE 0482 PART 265-2-1,
EN 50265-2-1,
IEC 60332-1-2,
DIN VDE 0482 PART 266-4-2,
EN 50266-4-2,
IEC 60332-3-24,
EN 50399

OIL RESISTANT:
ACC. TO IEC 60811-404

HALOGEN-FREE ACC. TO:
DIN VDE 0482, PART 267
EN 50267-2-1,
IEC 60754-1

CORROSIVENESS OF CONFLAGRATION GASES ACC. TO:
DIN VDE 0482 part 267
EN 50267-2-2
IEC 60754-2

LOW SMOKE DENSITY ACC. TO:
DIN VDE 0482 PART. 268-1-2
IEC 61034-1-2

Features:

SUITABLE FOR MINING APPLICATIONS!

UV RESISTANT

OUTDOOR USE

DIRECT BURIAL

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

INSTALLATION IN HAZARDOUS AREAS

LOW CUPLING RESISTANCE FOR
HIGH ELECTROMAGNETIC COMPATIBILITY

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CLASSIFICATION (CEI UNEL 35016), EN 13501-6

ROHS AND CE APPROVAL

Applications:

SUITABLE IN PLANTS AND BUILDINGS, AS A SUPPLY AND CONNECTING CABLE FOR MEDIUM MECHANICAL STRESSES
IN FIXED INSTALLATIONS AND FORCED MOVEMENTS IN DRY, MOIST AND WET ENVIRONMENTS FOR OUTDOOR APPLICATIONS.
USED IN THE AUTOMOBILE INDUSTRY, FOOD INDUSTRY, ENVIRONMENTAL ENGINEERING, PACKAGING INDUSTRY, TOOLMAKING MACHINERY, HANDLING EQUIPMENT,
FOR SIMOVERT DRIVERS, THEY ARE PARTICULARY SUITABLE FOR USE WITH INDUSTRIAL PUMPS, VENTILATORS, CONVEYOR BELTS AND AIR-CONDITIONING INSTALLATIONS AND SIMILAR APPLICATIONS.

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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.*)
33055G72041M15	4 g 1,5	10,3	77	182	16
33055G72041M25	4 g 2,5	11,3	118	237	14
33055G72041M40	4 g 4	12,9	179	329	12
33055G72041M60	4 g 6	14,2	259	430	10
33055G72041M61	4 g 10	16,6	419	627	8
33055G72041M62	4 g 16	19,4	666	935	6
33055G72041M63	4 g 25	23,7	1025	1397	4
33055G72041M64	4 g 35	26,5	1416	1853	2
33055G72041M65	4 g 50	31,2	2036	2630	1
33055G72041M66	4 g 70	35,9	2822	3565	2/0
33055G72041M67	4 g 95	40,2	3797	4667	3/0
33055G72041M68	4 g 120	45,2	4822	6017	4/0
33055G72041M69	4 g 150	49,6	5995	7427	250 MCM
33055G72041M70	4 g 185	55,4	7425	9212	350 MCM
33055G72041M71	4 g 240	62,1	9575	11649	450 MCM
33055G72041M72	4 g 300	69,2	11919	14318	550 MCM
33055G72037M15	3 x 1,5 + 3 g 0,25	9,4	68	161	16 / 24
33055G72037M25	3 x 2,5 + 3 g 0,5	10,3	106	212	14 / 20
33055G72037M40	3 x 4 +3 g 0,75	11,7	159	296	12 / 19
33055G72037M60	3 x 6 +3 g 1	12,9	227	382	10 / 18
33055G72037M61	3 x 10 + 3 g 1,5	15,5	362	567	8 / 16
33055G72037M62	3 x 16 + 3 g 2,5	17,6	569	811	6 / 14
33055G72037M63	3 x 25 + 3 g 4	21,6	893	1234	4 / 12
33055G72037M64	3 x 35 + 3 g 6	24,4	1268	1689	2 / 10
33055G72037M65	3 x 50 + 3 g 10	28,3	1831	2357	1 / 8
33055G72037M66	3 x 70 + 3 g 10	32,4	2424	3056	2/0 / 8
33055G72037M67	3 x 95 +3 g 16	36,2	3331	4081	3/0 / 6
33055G72037M68	3 x 120 +3 g 16	40,7	4109	5027	4/0 / 6
33055G72037M69	3 x 150 + 3 g 25	44,7	5250	6352	250 MCM / 4
33055G72037M70	3 x 185 + 3 g 35	50,2	6623	8007	350 MCM / 2
33055G72037M71	3 x 240 + 3 g 50	56,2	8673	10331	450 MCM / 1
33055G72037M72	3 x 300 + 3 g 50	62,6	10439	12371	550 MCM / 1

Other dimension and colours available on request.