

FLEXIFESTOON® (N)GRDGCGÖU-J

Flexible screened round festoon cable

ELETTROTEK KABEL® FLEXIFESTOON® (N)GRDGCGÖU-J



Construction:

Conductor:	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	rubber EPR type 3GI3 acc. to DIN VDE 0207
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 with short lay-length
Inner sheath	rubber EPR type GM1b
Screen:	tinned copper braid
Outer sheath:	black (similar to RAL 9005), rubber PCP type 5GM3, acc. to DIN VDE 0207 part 21

Resistance:



Self-extinguishing and flame retardant acc. to:
DIN VDE 0482 part 265-2-1
EN 50265-2-1
IEC 60332-1-2



Oil resistance acc. to:
DIN VDE 0473 part 811-2-1
IEC EN 60811-2-1

Technical data:

Nominal voltage:	U _o /U 0,6/1 kV
Max. operating voltage in A.C. systems:	U _o /U 0,7/1,2 kV
Max. operating voltage in D.C. systems:	U _o /U 0,9/1,8 kV
Test voltage A.C.:	3,5 kV
Temperature range:	
<i>Fixed laying:</i>	-50°C up to +80°C
<i>Flexible application:</i>	-35°C up to +80°C
Max. temp on conductor:	
<i>In service:</i>	up to +90°C
<i>In short circuit:</i>	up to +250°C
Min. bending radius:	acc. to DIN VDE 0298 part 3
Tensile strenght:	
<i>Static:</i>	15 n/mm ²
<i>Dynamic:</i>	30 n/mm ²
Max speed (main application):	240 m/min

Features:

UV, ozone, moisture and water resistant
outdoor use
acc. to DIN VDE 0250 part 814
good EMC characteristics
On request:
Marking UL 600 V or MSHA
identified with "5" on the 5th number of the Part. no
GOST-R and WUG approval on request
for SPEEDS and MINIMUM BENDING RADIUS
see pages from 2 to 8 of catalogue
RoHS and CE approval



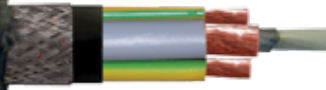
Applications:

used in FESTOON SYSTEMS,
for motor power supply cables

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Suitable for festoon application

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	Tensile strength N	AWG no.*)
03100G7L010M68	1x120	22,5	1320	1800	4/0
03100G72041M40	4G4	16,6	475	240	12
03100G72041M60	4G6	19,2	710	300	10
03100G72041M61	4G10	21,5	915	600	8
03100G72051M61	5G10	24	1080	-	8
03100G72051M62	5G16	28	1530	-	6
03100G72037M62	3x16+3G2,5	24	1145	720	6
03100G72037M63	3x25+3G4	27,2	1615	1125	4
03100G72037M64	3x35+3G6	31,2	2150	1575	2
03100G72037M65	3x50+3G10	36,8	3101	2250	1
03100G72037M66	3x70+3G10	42,7	4105	3150	2/0
03100G72037M67	3x95+3G16	45,9	5030	4275	3/0
03100G72037M68	3x120+3G16	50,6	5890	5400	4/0

Other dimensions and colors available on request.