

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

FESTOON 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 |
| 03100G73030M65 | 3x50 | 33,3 | 2360 | 2250 | 1 |
| 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 |
| 03100G7C060M62 | 6x16 | 28,2 | 1630 | 1440 | 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 |
| 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.