

GAALFLEX® VFD EMV-FC 2XSEHCHRH

Medium voltage motor power supply cables, halogen-free, overall copper screen and steel wire armouring, 3,6/6 kV



ELETTROTEK KABEL® GAALFLEX® VFD EMV-FC 2XSEHCHRH



Construction:

- Conductor:** stranded red copper conductor Cl. 2, acc to IEC 60228, DIN VDE 0295
- Inner semi-conductive layer:** semi-conductive rubber compound
- Insulation:** XLPE compound
- Outer semi-conductive layer:** semi-conductive rubber compound
- Cores identification:** numerical 1-2-3
imprint on the outer semi-conductive layer
- Screen:** two red copper tapes
conductor cross section: 35 to 120 mm²
screen cross section: 16 mm²
> 120 mm² 25 mm²
- 1st Inner sheath:** black (RAL 9005), halogen-free compound
- Concentric overall copper screen:** red copper wires and one or two copper tape(s) applied helically
screen cross section: approx. 0,5 conductor cross-section (electrical)
- 2nd Inner sheath:** black (similar RAL 9005), halogen-free compound
- Armouring:** galvanized steel wires
- Outer Sheath:** black (similar RAL 9005), halogen-free compound

Technical data:

- Nominal voltage:** U₀/U 3,6/6 kV
- Test voltage:** 21 kV
- Max. perm. voltage U:** 14,6 kV
for connection on 3 level frequency converters with a nominal voltage: 6,6 kV
- Temperature range:** - 30 °C up to + 90 °C
- Installation temperature range:** - 10 °C up to + 50 °C
- Max. temperature on conductor:** + 90°C
- Max. temperature in short circuit:** + 250 °C
- Min. bending radius** 10 x d
- Current carrying capacity:** acc. to DIN VDE 0276-620 6
- Max. tensile strenght:** up to 50 N/mm²
- (RFI) and RFI-voltage:** EMC-optimized cables acc. to DIN EN 55011/DIN 0875 part. 11, classes A1 and B1

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 266-2-2,
EN 50266-2-2,
IEC 60332-3-22



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



Smoke density acc. to:

DIN VDE 0482 part 268-1/-2,
EN 50268-1/-2,
DIN EN 61034-1+2,
IEC 61034-1+2 part 1+2

Features:

- UV resistant
- acc. to IEC 60502-1
- RoHS approval



Applications:

for frequency converter controlled AC drives. For fixed installation outdoor as well as indoors in dry, damp and wet conditions and in explosion hazard areas. This cable can be installed directly in ground

Part no.	No. of cores x cross section n x mm ²	Outer Ø Ca. mm ±10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.*)
33260M71030M69	3 x 150	67,6	4859	10744	350 MCM

Other dimension and colours available on request.