

FLEXIFESTOON® HF-FLAT

Halogen-free flat cables, 0,6/1 kV



Construction:

Conductor:	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	GAALTHERM® 532
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Stranding:	cores laying parallel
Outer sheath:	black (similar to RAL 9005), halogen-free type M1

Resistance:



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



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
EN 50268-1-2
IEC 61034-1-2

Technical data:

Nominal voltage:	U ₀ /U 0,6/1 kV
Test voltage:	3,5 kV
Temperature range:	
Fixed laying:	-40°C up to +80°C
Flexible application:	-30°C up to +70°C
Min. bending radius:	10 x D
Max speed (main application):	120 m/min
Tensile strenght:	
Static:	15 n/mm ²
Dynamic:	30 n/mm ²

Features:

indoor/outdoor use
UV, ozone, and moisture resistant
for SPEEDS and MINIMUM BENDING RADIUS
see pages from 2 to 8 of catalogue
RoHS and CE approval



Applications:

power and control flat cables are used on FESTOON CABLES and handling equipment. Special design is where halogen-free and low smoke (nuclear plants)

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. *)
03020G72041M15	4G1,5	5,9x16,2	57,6	110	16
03020G72041M25	4G2,5	5,8x20	96	200	14
03020G72041M40	4G4	8,8x24,2	153,6	250	12
03020G72041M60	4G6	7,6x25	230,4	420	10
03020G72071M60	7G6	7,8x42	403	760	10
03020G72041M61	4G10	10,4x30,8	384	550	8
03020G72041M62	4G16	11,6x35,6	614,4	800	6
03020G72041M63	4G25	14,1x45,8	960	1350	4
03020G72041M64	4G35	15,8x50,8	1344	1800	2
03020G72041M65	4G50	18,6x60,2	1920	2400	1
03020G72041M66	4G70	21x68	2688	3250	2/0
03020G70071M15	7G1,5	5,4x26	100,8	237	16
03020G70071M25	7G2,5	5,8x32,2	168	345	14
03020G70081M15	8G1,5	5x29	115,2	220	16
03020G70081M25	8G2,5	5x35	192,0	330	14
03020G70121M15	12G1,5	5x44	172,8	440	16
03020G70121M25	12G2,5	5,5x49	288	610	14
03020G70241M10	24G1	4,5x67	230	770	18
03020G70123M25	7x3x1	8,2x39,5	201,6	640	18

Other dimensions and colors available on request.

FLEXIFESTOON® HF-FLAT CY

Screened Halogen-free flat cables, 0,6/1 kV



ELETTROTEK KABEL® FLEXIFESTOON® HF-FLAT CY

Construction:

Conductor:	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	GAALTHERM® 532
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Screen:	red copper braid
Stranding:	cores laying parallel
Outer sheath:	black (similar to RAL 9005), halogen-free type M1

Resistance:



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



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
EN 50268-1-2
IEC 61034-1-2

Technical data:

Nominal voltage:	Uo/U 0,6/1 kV
Test voltage:	3,5 kV
Temperature range:	
<i>Fixed laying:</i>	-40°C up to +80°C
<i>Flexible application:</i>	-30°C up to +70°C
Min. bending radius:	10 x D
Max speed (main application):	120 m/min
Tensile strenght:	
<i>Static:</i>	15 n/mm ²
<i>Dynamic:</i>	30 n/mm ²

Features:

Indoor/outdoor use
UV, ozone, and moisture resistant
for SPEEDS and MINIMUM BENDING RADIUS
see pages from 2 to 8 of catalogue
RoHS and CE approval



Applications:

power and control flat cables are used on FESTOON CABLES and handling equipment. Special design is where halogen-free and low smoke (nuclear plants)

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.)*
03230G72041M25	4G2,5	5,8x20	133	292	14
03230G72041M60	4G6	7,9x25,4	313	610	10
03230G72041M61	4G10	10x31,8	522	945	8
03230G70121M15	12G1,5	6x49,3	267	580	16
03230G70121M25	12G2,5	5,8x60	421	775	14

Other dimensions and colors available on request.

FLEXIFESTOON® NE-FLAT (N)GFLGÖU-J

Rubber flat cables, 0,6/1 kV

ELETTROTEK KABEL® FLEXIFESTOON® NE-FLAT (NGFLGÖU-J)



Construction:

Conductor:	flexible red copper conductor Cl. 6, acc to IEC 60228, DIN VDE 0295 ($\leq 25 \text{ mm}^2$) Flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295 ($> 35 \text{ mm}^2$)
Insulation:	EPR type 3GI3 acc. to DIN VDE 0207
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Stranding:	cores laying parallel
Outer sheath:	black (similar to RAL 9005), rubber PCP type 5GM3

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 ₀ /U 0,6/1 kV
Test voltage:	4 kV
Temperature range:	
<i>Fixed laying:</i>	-40°C up to +80°C
<i>Flexible application:</i>	-30°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):	up to 180 m/min

Features:

UV, ozone, chemical and resistant
Indoor/outdoor use
minimum waste of space
high flexibility
acc. to DIN VDE 0250-809
for SPEEDS and MINIMUM BENDING RADIUS
see pages from 2 to 8 of catalogue
RoHS and CE approval



FLEXIFESTOON® NE-FLAT (N)GFLGÖU-J

Rubber flat cables, 0,6/1 kV



Suitable for festoon application

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. *)
03010G72041M15	4G1,5	7,2x16,3	57,6	170	16
03010G72051M15	5G1,5	7,2x20,5	72	225	16
03010G70071M15	7G1,5	7,2x26,9	100,8	320	16
03010G70081M15	8G1,5	7,2x31,1	115,2	375	16
03010G70101M15	10G1,5	7,8x39,1	144	505	16
03010G70121M15	12G1,5	7,8x46,5	172,8	615	16
03010G72041M25	4G2,5	8,6x19,9	96	260	14
03010G72051M25	5G2,5	8,6x24,9	120	340	14
03010G70061M25	6G2,5	8,6x28,8	144	415	14
03010G70071M25	7G2,5	8,6x32,8	168	485	14
03010G70081M25	8G2,5	8,6x37,7	192	565	14
03010G70121M25	12G2,5	9,2x56,1	288	915	14
03010G72041M40	4G4	9,9x23,5	153,6	375	12
03010G72041M40	5G4	9,9x29,2	192	490	12
03010G70071M40	7G4	9,9x38,6	268,8	700	12
03010G72041M60	4G6	10,4x26,5	230,4	480	10
03010G72041M60	5G6	10,4x31,7	288	610	10
03010G70071M60	7G6	10,4x42,1	403,2	880	10
03010G72041M61	4G10	11,9x31,5	384	695	8
03010G72041M61	5G10	11,9x39,2	480	915	8
03010G72041M62	4G16	13,4x35,7	614,4	950	6
03010G72041M63	4G25	14,9x42,7	960	1390	4
03010G72041M64	4G35	16,6x47,7	1344	1800	2
03010G72041M65	4G50	18,6x55,7	1920	2435	1

Other dimensions and colors available on request.

FLEXIFESTOON® NE-FLAT CY (N)GFLCGÖU

Screened rubber flat cables, 0,6/1 kV

ELETTROTEK KABEL® FLEXIFESTOON® NE-FLAT CY ((N)GFLCGÖU)



Construction:

- Conductor:** flexible red copper conductor Cl. 6, acc to IEC 60228, DIN VDE 0295 (<=25 mm²)
Flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295 (>=35 mm²)
- Insulation:** EPR type 3GI3 acc. to DIN VDE 0207
- Cores color:** acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
- Stranding:** cores laying parallel
- Screen:** tinned copper braid
- Outer sheath:** black (similar to RAL 9005), rubber PCP type 5GM3

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:** Uo/U 0,6/1 kV
- Test voltage:** 4 kV
- Temperature range:**
Fixed laying: -40°C up to +80°C
Flexible application: -30°C up to +80°C
- Max. temp on conductor:**
In service: up to +90°C
In short circuit: up to +250°C
- Min. bending radius:** acc. to DIN VDE 0298 part 3
- Max speed (main application):** 180 m/min
- Tensile strenght:**
Static: 15 n/mm²
Dynamic: 30 n/mm²

Features:

- UV, ozone, chemical and resistant
- Indoor/outdoor use
- minimum waste of space
- high flexibility
- acc. to DIN VDE 0250-809
- for SPEEDS and MINIMUM BENDING RADIUS
see pages from 2 to 8 of catalogue
- RoHS and CE approval



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.®)
03040G72041M15	4G1,5	8x19,4	120	245	16
03040G70081M15	8G1,5	8x37,4	235	540	16
03040G70101M15	10G1,5	8,6x46,9	280	725	16
03040G70121M15	12G1,5	8,6x55,9	365	880	16
03040G72041M25	4G2,5	8,8x23	170	335	14
03040G70061M25	6G2,5	8,8x32,5	275	535	14
03040G70121M25	12G2,5	9,4x62,5	580	1180	14
03040G72041M40	4G4	9,2x26,8	245	435	12
03040G72041M60	4G6	9,9x29,5	360	565	10
03040G72041M61	4G10	11,4x35,7	540	805	8
03040G72041M62	4G16	12,9x39,9	810	1080	6
03040G72041M63	4G25	14,4x46,9	1205	1535	4
03040G72041M64	4G35	16,5x53,5	1660	2085	2
03040G72041M65	4G50	18,5x61,5	2265	2755	1
03040G70042A18	4x(2x)C	32x12	305	1054	18
03040G70072A18	7x(2x1)C	57x12	200	570	18
03040G70122A18	12x(2x1)C	68x15,3	600	1640	18

Other dimensions and colors available on request.

FLEXIFESTOON® NE-FLAT (NGFLGÖU) UL



Construction:

Conductor:	flexible red copper conductor Cl. 6, acc to IEC 60228, DIN VDE 0295 (from 1 up to 25 mm ²) Flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295 (from 35 mm ²)
Insulation:	EPR type 3GI3 acc. to DIN VDE 0207
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Stranding:	cores laying parallel
Outer sheath:	black (similar to RAL 9005), rubber PCP type 5GM3, yellow (similar to RAL 1021) on request

Technical data:

Nominal voltage:	U ₀ /U 300/500 V (UL 600 V)
Test voltage:	3 kV
Temperature range:	
<i>Fixed laying:</i>	-40°C up to +85°C
<i>Flexible application:</i>	-35°C up to +85°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
Max speed (main application):	180 m/min

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

Features:

UV, ozone, and chemical resistant
extremely small bending radius
minimum waste of space
high flexibility
cold resistant
UL listed approval available on request

AWM style 4540 90°C 600 V FT-1 600 V

for SPEEDS and MINIMUM BENDING RADIUS
see pages from 2 to 8 of catalogue

RoHS and CE approval



FLEXIFESTOON® NE-FLAT (NGFLGÖU) UL



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.*)
03030F72041A16	4G1,5	5,4x16,3	58	200	16
03030F72051A16	5G1,5	5,4x20,9	72	250	16
03030F70071A16	7G1,5	5,4x27,6	101	310	16
03030F70081A16	8G1,5	5,4x30,7	115	350	16
03030F70101A16	10G1,5	6,1x39,2	144	480	16
03030F70121A16	12G1,5	6,1x45,5	173	560	16
03030F70241A16	24G1,5	12,5x53,5	345,6	1170	16
03030F72041A14	4G2,5	6,8x19,7	96	290	14
03030F72051A14	5G2,5	6,8x25	120	360	14
03030F70071A14	7G2,5	6,8x32	168	500	14
03030F70081A14	8G2,5	6,8x36,5	192	520	14
03030F70101A14	10G2,5	6,8x42	240	690	14
03030F70121A14	12G2,5	8,2x52,8	288	810	14
03030F70241A14	24G2,5	16x69,3	576	1600	14
03030F72041A12	4G4	8,1x23,3	154	400	12
03030F72051A12	5G4	8,1x28	192	530	12
03030F70071A12	7G4	8,1x38,3	269	690	12
03030F70121A12	12G4	8,4x61,9	460,8	1131	12
03030F70041A10	4G6	8,9x26,4	230	550	10
03030F72051A10	5G6	8,9x33,2	288	620	10
03030F70071A10	7G6	8,9x43,9	403	920	10
03030F72041A08	4G10	10,2x31,8	384	800	8
03030F72051A08	5G10	10,2x39,8	480	1000	8
03030F70071A08	7G10	10,2x53,3	672	1400	8
03030F72041A06	4G16	12,0x37,2	614	1120	6
03030F72051A06	5G16	12,0x50	768	1420	6
03030F70071A06	7G16	12,5x63,5	1075	2360	6
03030F72041A04	4G25	13,2x43	960	1480	4
03030F72051A04	5G25	13,2x60	1200	2210	4
03030F70071A04	7G25	14,5x74,8	1680	3250	4
03030F72041A02	4G35	15,6x49,7	1344	2190	2
03030F70071A02	7G35	16,2x85,5	2352	4150	2
03030F72041A01	4G50	18,1x58,5	1920	3030	1
03030F72041A2C	4G70	21x69,3	2688	4340	2/0
03030F72041A3C	4G95	23,5x76,8	3648	5120	3/0
03030F72041A4C	4G120	25,8x85,5	4608	6350	4/0

Other dimensions and colors available on request.

FLEXIFESTOON® NE FLAT M(StD)HÖU-J/O UL

Screened rubber flat cables, UL approval



ELETTROTEK KABEL® FLEXIFESTOON® NE-FLAT M(StD)HÖU-J/O UL
UL style 4540 90°C 600 V FT-1 600 V

Construction:

Conductor:	flexible red copper conductor Cl. 6, acc to IEC 60228, DIN VDE 0295 (from 1 up to 25 mm ²) Flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295 (from 35 mm ²)
Wrapping:	PETP tape
Insulation:	rubber HEPR type 3GI3 acc. to DIN VDE 0207
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Stranding:	cores laying parallel pairs: cores twisted in pairs with short lay lenght wrapping with PETP foil, pairs laying parallel
Screen:	tinned copper wires + aluminium tape/PETP foil
Outer sheath:	black (similar to RAL 9005), rubber PCP type 5GM3

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 ₀ /U 0,6/1 kV (UL 600 V)
Test voltage:	4 kV
Temperature range:	
UL:	up to +90°C
Fixed laying:	-40°C up to +85°C
Flexible application:	-30°C up to +85°C
Max. temp on conductor:	
In service:	up to +90°C
In short circuit:	up to +250°C
Min. bending radius:	acc. to DIN VDE 0298 part 3
Max speed (main application):	180 m/min
Radiation resistance:	up to 50x10 ⁶ cJ/kg (up to 50 Mrad)
Tensile strenght:	
Static:	15 N/mm ²
Dynamic:	30 N/mm ²

Features:

UV, ozone, and chemical resistant
extremely small bending radius
minimum waste of space
high flexibility
cold resistant
acc. to DIN VDE 0250 part 809 table 2
UL listed approval available on request
AWM style 4540 90°C 600 V FT-1 600 V
for SPEEDS and MINIMUM BENDING RADIUS
see pages from 2 to 8 of catalogue
RoHS and CE approval



FESTOON CABLES

FLEXIFESTOON® NE FLAT M(StD)HÖU-J/O UL

Screened rubber flat cables, UL approval



ELETTROTEK KABEL® FLEXIFESTOON® NE-FLAT M(StD)HÖU-J/O UL
UL style 4540 90°C 600 V FT-1 600 V

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.®)
03190F72041A16	4G1,5	20,8x7,5	99	291	16
03190F72051A16	5G1,5	24,8x7,5	124	350	16
03190F70081A16	8G1,5	38,1x7,5	228	537	16
03190F71080A16	8x1,5	38,1x7,5	228	537	16
03190F70121A16	12G1,5	55,3x7,5	343	795	16
03190F71120A16	12x1,5	55,3x7,5	343	795	16
03190F72041A14	4G2,5	23,4x8,2	163	418	14
03190F70061A14	6G2,5	32,5x8,2	245	535	14
03190F70121A16	12G2,5	63x8,2	493	1004	14
03190F72041A12	4G4	26,8x9	241	440	12
03190F72041A10	4G6	29,7x9,7	353	603	10
03190F72041A08	4G10	35,9x11,7	497	955	8
03190F72041A06	4G16	39,9x13,1	805	1254	6
03190F72041A04	4G25	45,5x14,2	1200	1694	4
03190F72041A02	4G35	53,1x16,4	1657	2282	2
03190F72041A01	4G50	63,2x19,2	2261	3130	1
03190F72041A2C	4G70	75x22,9	3259	4680	2/0
03190F72041A3C	4G95	79,1x24	4311	5605	3/0
03190F70042A18	4x(2x1)StD	32x11,7	156	525	18
03190F70072A18	7x(2x1)StD	57,5x11,7	205	909	18
03190F70122A18	12x(2x1)StD	68,3x15,4	460	1500	18
03190F70122A18	4x(4G1,5)StD	40,6x11,5	440	900	16

Other dimensions and colors available on request.

FLEXIFESTOON® SPECIAL NE-FLAT

Rubber flat cables



ELETTROTEK KABEL® FLEXIFESTOON® SPECIAL NE-FLAT

Construction:

Conductor:	flexible red copper conductor Cl. 6, acc to IEC 60228, DIN VDE 0295 (from 1 up to 25 mm ²) Flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295 (from 35 mm ² up to 90 mm ²)
Insulation:	GAALTHERM® 533: identified with "4", on the 5 th number of the Part no., or XLPE compound: identified with "5", on the 5 th number of the Part no.
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Stranding:	cores laying parallel
Outer sheath:	black (similar to RAL 9005), GAALTHERM® 533

Resistance:



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



Halogen-free acc. to:
DIN VDE 0482 part 267,
EN 50267-2-1,
IEC 60754-1



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

Technical data:

Nominal voltage:	U ₀ /U 0,6/1 kV
Test voltage:	4 kV
Temperature range:	
GAALTHERM® 533:	
<i>Fixed laying:</i>	-40°C up to +135°C
<i>Flexible application:</i>	-25°C up to +125 °C
XLPE compound:	
<i>Fixed laying:</i>	-20°C up to +90°C
<i>Flexible application:</i>	-10°C up to +90°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:	10 x D
Max speed (main application):	180 m/min
Radiation resistance:	up to 50x10 ⁶ cJ/kg (up to 50 Mrad)
Tensile strenght:	25 N/mm ²

Features:

Max. temperature up to +125°C on flexible applications!

UV, ozone, and chemical resistant

extremely small bending radius

minimum waste of space

high flexibility

acc. to IEC 60502-1 standard

for SPEEDS and MINIMUM BENDING RADIUS
see pages from 2 to 8 of catalogue

RoHS and CE approval



FLEXIFESTOON® SPECIAL NE-FLAT

Rubber flat cables



ELETTROTEK KABEL® FLEXIFESTOON® SPECIAL NE-FLAT

GAALTHERM® 533 Type

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.*)
03014G72041M15	4G1,5	5x14,2	58	148	16
03014G72051M15	5G1,5	5x18,4	72	184	16
03014G70071M15	7G1,5	5x24	101	250	16
03014G70081M15	8G1,5	5x27,3	115	270	16
03014G71080M15	8x1,5	5,5x29,5	115	315	16
03014G70091M15	9G1,5	5,5x32,5	130	345	16
03014G70101M15	10G1,5	5x34	144	347	16
03014G70121M15	12G1,5	5x39,4	173	436	16
03014G70161M15	16G1,5	5x52	230,4	570	16
03014G70181M15	18G1,5	5,5x58,5	259,2	635	16
03014G70241M15	24G1,5	5,5x80,5	346	875	16
03014G72041M25	4G2,5	6,5x18	96	230	14
03014G72051M25	5G2,5	6,5x22,5	120	281	14
03014G70071M25	7G2,5	6,5x31,3	168	369	14
03014G70081M25	8G2,5	6,5x32,9	192	414	14
03014G70121M25	12G2,5	6,8x48,1	288	605	14
03014G70161M25	16G2,5	6,8x56,1	384	700	14
03014G70181M25	18G2,5	6,8x75	432	925	14
03014G70241M25	24G2,5	6,8x121	576	975	14
03014G72041M40	4G4	7,5x21,8	154	344	12
03014G72051M40	5G4	7,5x27,4	192	428	12
03014G70071M40	7G4	7,9x36,6	269	590	12
03014G70121M40	12G4	7,5x57	460,8	880	12
03014G72041M60	4G6	8,2x24,8	230	424	10
03014G72051M60	5G6	8,2x31,8	288	530	10
03014G72071M60	7G6	8,2x42,6	403	760	10
03014G72041M61	4G10	10x29,6	384	710	8
03014G72041M62	4G16	11,2x34,4	614	1014	6
03014G72041M63	4G25	13,7x42,6	960	1365	4
03014G72041M64	4G35	15,4x47,6	1344	2100	2
03014G72041M65	4G50	18,2x57	1920	2940	1
03014G72041M66	4G70	20x64,2	2688	4090	2/0
03014G72041M67	4G95	20,5x72,5	3684	4550	3/0
03014G72041M69	4G150	25x84	5760	6620	250 MCM
03014G72051M40	5G4	6,9x26	192	390	12
03014G72051M60	5G6	7,6x29,5	288	530	10
03014G72051M61	5G10	9,4x36,5	480	868	8
03014G72051M62	5G16	13x46,6	768	1370	6
03014G72051M63	5G25	15,5x55,5	1200	2000	4

Other dimensions and colors available on request.

FESTOON CABLES

FLEXIFESTOON® SPECIAL NE-FLAT

Rubber flat cables



XLPE Type

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.*)
03015G72041M15	4G1,5	5x14,2	58	148	16
03015G72051M15	5G1,5	5x18,4	72	184	16
03015G70071M15	7G1,5	5x24	101	250	16
03015G70081M15	8G1,5	5x27,3	115	270	16
03015G71080M15	8x1,5	5,5x29,5	115	315	16
03015G70091M15	9G1,5	5,5x32,5	130	345	16
03015G70101M15	10G1,5	5x34	144	347	16
03015G70121M15	12G1,5	5x39,4	173	436	16
03015G70161M15	16G1,5	5x52	230,4	570	16
03015G70181M15	18G1,5	5,5x58,5	259,2	635	16
03015G70241M15	24G1,5	5,5x80,5	346	875	16
03015G72041M25	4G2,5	6,5x18	96	230	14
03015G72051M25	5G2,5	6,5x22,5	120	281	14
03015G70071M25	7G2,5	6,5x31,3	168	369	14
03015G70081M25	8G2,5	6,5x32,9	192	414	14
03015G70121M25	12G2,5	6,8x48,1	288	605	14
03015G70161M25	16G2,5	6,8x56,1	384	700	14
03015G70181M25	18G2,5	6,8x75	432	925	14
03015G70241M25	24G2,5	6,8x121	576	975	14
03015G72041M40	4G4	7,5x21,8	154	344	12
03015G72051M40	5G4	7,5x27,4	192	428	12
03015G70071M40	7G4	7,9x36,6	269	590	12
03015G70121M40	12G4	7,5x57	460,8	880	12
03015G72041M60	4G6	8,2x24,8	230	424	10
03015G72051M60	5G6	8,2x31,8	288	530	10
03015G72071M60	7G6	8,2x42,6	403	760	10
03015G72041M61	4G10	10x29,6	384	710	8
03015G72041M62	4G16	11,2x34,4	614	1014	6
03015G72041M63	4G25	13,7x42,6	960	1365	4
03015G72041M64	4G35	15,4x47,6	1344	2100	2
03015G72041M65	4G50	18,2x57	1920	2940	1
03015G72041M66	4G70	20x64,2	2688	4090	2/0
03015G72041M67	4G95	20,5x72,5	3684	4550	3/0
03015G72041M69	4G150	25x84	5760	6620	250 MCM
03015G72051M40	5G4	6,9x26	192	390	12
03015G72051M60	5G6	7,6x29,5	288	530	10
03015G72051M61	5G10	9,4x36,5	480	868	8
03015G72051M62	5G16	13x46,6	768	1370	6
03015G72051M63	5G25	15,5x55,5	1200	2000	4

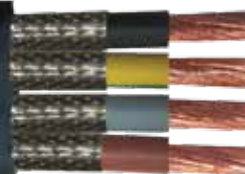
Other dimensions and colors available on request.

FLEXIFESTOON® SPECIAL NE-FLAT CY

Screened rubber flat cables



ELETTROTEK KABEL® FLEXIFESTOON® SPECIAL NE-FLAT CY



Construction:

Conductor:	flexible red copper conductor Cl. 6, acc to IEC 60228, DIN VDE 0295 (from 1 up to 25 mm ²) Flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295 (from 35 mm ² up to 120 mm ²)
Insulation:	GAALTHERM® 533: identified with "4", on the 5 th number of the Part no., or XLPE compound: identified with "5", on the 5 th number of the Part no.
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Stranding:	cores laying parallel
Screen:	tinned copper braid
Outer sheath:	black (similar to RAL 9005), GAALTHERM® 533

Resistance:



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



Halogen-free acc. to:
DIN VDE 0482 part 267,
EN 50267-2-1,
IEC 60754-1



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

Technical data:

Nominal voltage:	Uo/U 0,6/1 kV
Test voltage:	4 kV
Temperature range:	
GAALTHERM® 533:	
<i>Fixed laying:</i>	-40°C up to +135°C
<i>Flexible application:</i>	-25°C up to +125 °C
XLPE compound:	
<i>Fixed laying:</i>	-20°C up to +90°C
<i>Flexible application:</i>	-10°C up to +90°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:	10 x D
Max speed (main application):	180 m/min
Radiation resistance:	up to 50x10 ⁶ cJ/kg (up to 50 Mrad)
Tensile strenght:	25 N/mm ²

Features:

max. temperature up to +125°C on flexible applications!

UV, ozone, and chemical resistant

extremely small bending radius

minimum waste of space

high flexibility

acc. to IEC 60502-1 standard

for SPEEDS and MINIMUM BENDING RADIUS
see pages from 2 to 8 of catalogue

RoHS and CE approval



FLEXIFESTOON® SPECIAL NE-FLAT CY

Screened rubber flat cables



ELETTROTEK KABEL® FLEXIFESTOON® SPECIAL NE-FLAT CY

GAALTHERM® 533 Type

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.)*
03044G72041M15	4G1,5	6x19	125	250	16
03044G70071M15	7G1,5	7,4x21,5	165	330	16
03044G70081M15	8G1,5	6x34,5	180	460	16
03044G70121M15	12G1,5	6x50,5	270	615	16
03044G72041M25	4G2,5	7x22	153	320	14
03044G72051M25	5G2,5	7x36,9	210	440	14
03044G70061M25	6G2,5	7x38,4	225	470	14
03044G70071M25	7G2,5	7x49,2	235	515	14
03044G70121M25	12G2,5	7x60	405	590	14
03044G72041M40	4G4	7,5x23	222	360	12
03044G72041M60	4G6	9x29	313	580	10
03044G72041M61	4G10	10,7x36	522	900	8
03044G72041M62	4G16	14x46	784	1280	6
03044G72041M63	4G25	14,5x50	1163	1800	4
03044G72041M64	4G35	16x55	1549	2300	2

Other dimensions and colors available on request.

XLPE Type

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.)*
03045G72041M15	4G1,5	6x19	125	250	16
03045G70071M15	7G1,5	7,4x21,5	165	330	16
03045G70081M15	8G1,5	6x34,5	180	460	16
03045G70121M15	12G1,5	6x50,5	270	615	16
03045G72041M25	4G2,5	7x22	153	320	14
03045G72051M25	5G2,5	7x36,9	210	440	14
03045G70061M25	6G2,5	7x38,4	225	470	14
03045G70071M25	7G2,5	7x49,2	235	515	14
03045G70121M25	12G2,5	7x60	405	590	14
03045G72041M40	4G4	7,5x23	222	360	12
03045G72041M60	4G6	9x29	313	580	10
03045G72041M61	4G10	10,7x36	522	900	8
03045G72041M62	4G16	14x46	784	1280	6
03045G72041M63	4G25	14,5x50	1163	1800	4
03045G72041M64	4G35	16x55	1549	2300	2

Other dimensions and colors available on request.

FLEXIFESTOON® PV-FLAT (H07VVH6-F)

HAR

ELETTROTEK KABEL® FLEXIFESTOON® PV-FLAT (H07VVH6-F)



Construction:

Conductor:	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	PVC type TI2
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Stranding:	cores laying parallel
Outer sheath:	black (similar to 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



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

Technical data:

Nominal voltage:	U ₀ /U 450/750 V
Test voltage:	2,5 kV
Temperature range:	
<i>Fixed laying:</i>	-25°C up to +70°C
<i>Flexible application:</i>	-20°C up to +70°C
Max. temp on conductor:	
<i>In service:</i>	up to +70°C
<i>In short circuit:</i>	up to +150°C
Min. bending radius:	acc. to DIN VDE 0298 part 3
Radiation resistance:	up to 80x10 ⁶ cJ/kg (up to 80 Mrad)
Tensile strenght:	
<i>Static:</i>	15 n/mm ²
<i>Dynamic:</i>	30 n/mm ²
Max speed (main application):	120 m/min

Features:

UV, ozone and chemical resistant
on request 0,6/1 kV version
minimum waste of space
high flexibility
for SPEEDS and MINIMUM BENDING RADIUS
see pages from 2 to 8 of catalogue
RoHS and CE approval



FESTOON CABLES

FLEXIFESTOON® PV-FLAT (H07VVH6-F)

HAR



Suitable for festoon application

Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 4%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
03050E72041M15	4G1,5	4,9x14,8	58	135	16
03050E72051M15	5G1,5	4,9x18	72	169	16
03050E70071M15	7G1,5	4,9x24,5	101	235	16
03050E70081M15	8G1,5	4,9x27,6	115	267	16
03050E71080M15	8x1,5	4,9x27,6	115	267	16
03050E70091M15	9G1,5	4,9x30,8	130	302	16
03050E70101M15	10G1,5	4,9x34,1	144	332	16
03050E70121M15	12G1,5	4,9x40,7	173	400	16
03050E70161M15	16G1,5	4,9x53,7	230,4	535	16
03050E70181M15	18G1,5	4,9x60,2	259,2	603	16
03050E70241M15	24G1,5	4,9x79,7	346	761	16
03050E72041M25	4G2,5	5,6x17,9	96	200	14
03050E72051M25	5G2,5	5,6x22	120	256	14
03050E70071M25	7G2,5	5,6x30	168	344	14
03050E70081M25	8G2,5	5,6x34,1	192	395	14
03050E70121M25	12G2,5	5,6x50,2	288	590	14
03050E70161M25	16G2,5	5,6x66,3	384	785	14
03050E70181M25	18G2,5	5,6x74,4	432	880	14
03050E70064M25	6x(4G2,5)	15x63	576	1024	14
03050E70241M25	24G2,5	5,6x98,6	576	1024	14
03050E72041M40	4G4	6,5x20	154	277	12
03050E72051M40	5G4	6,5x24,6	192	350	12
03050E70071M40	7G4	6,5x33,8	269	490	12
03050E70121M40	12G4	6,5x56,8	460,8	840	12
03050E72041M60	4G6	7x22,2	230	360	10
03050E72051M60	5G6	7x27,3	288	470	10
03050E72071M60	7G6	7x37,5	403	655	10
03050E72041M61	4G10	8,8x27,6	384	590	8
03050E72051M61	5G10	8,8x34,8	480	720	8
03050E72041M62	4G16	10x32	614	840	6
03050E72051M62	5G16	10x39,8	768	1036	6
03050E72041M63	4G25	11,9x38,8	960	1255	4
03050E72051M63	5G25	11,9x48,6	1200	1620	4
03050E72041M64	4G35	13,5x44	1344	1690	2
03050E72041M65	4G50	16x54	1920	2450	1
03050E72041M66	4G70	18,5x61	2688	3400	2/0
03050E72041M67	4G95	20,5x69,5	3684	4550	3/0

Other dimensions and colors available on request.

FLEXIFESTOON® PV-FLAT CY (VCVH6-F)

ELETTROTEK KABEL® FLEXIFESTOON® PV-FLAT CY (VCVH6-F)



Construction:

- Conductor:** flexible red copper conductor Cl. 5, acc. to IEC 60228, DIN VDE 0295
- Insulation:** PVC type T12
- Cores color:** acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
- Stranding:** cores laying parallel
- Screen:** red copper braid
- Outer sheath:** black (similar to 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



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

Technical data:

- Nominal voltage:**
up to 1,5 mm²: U₀/U 300/500 V
from 2,5 mm²: U₀/U 0,6/1 kV
- Test voltage:**
up to 1,5 mm²: 2 kV
from 2,5 mm²: 2,5 kV
- Temperature range:**
Fixed laying: -25°C up to +60°C
Flexible application: -20°C up to +60°C
- Max. temp on conductor:**
In service: up to +70°C
In short circuit: up to +150°C
- Min. bending radius:** 10 x D
- Radiation resistance:** up to 80x10⁶ cJ/kg (up to 80 Mrad)
- Tensile strenght:**
Static: 15 n/mm²
Dynamic: 30 n/mm²
- Max speed (main application):** 120 m/min

Features:

- UV, ozone and chemical resistant
- on request tinned copper braid screen
- high flexibility
- minimum waste of space
- for SPEEDS and MINIMUM BENDING RADIUS see pages from 2 to 8 of catalogue
- RoHS and CE approval



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.*)
03060D72051M05	5G0,5	3,4x21	64	92	20
03060D70054M05	5x(4G0,5)C	7,2x37,4	175	280	20
03060D70089900	8x(7G0,5)C	11,7x68,6	480	650	20
03060D70044M10	4x4G1	11x33,5	310	350	18
03060D71160M10	16x1	53,5x5,4	368	630	18
03060D72041M15	4G1,5	5,5x18	114	220	16
03060D70071M15	7G1,5	6,9x21	156	300	16
03060D70081M15	8G1,5	5,5x34	179	430	16
03060D70121M15	12G1,5	5,5x50	267	584	16
03060G72041M25	4G2,5	6x21	133	278	14
03060G72051M25	5G2,5	6x35,9	189,3	396	14
03060G70061M25	6G2,5	6x37,4	205,3	430	14
03060G70071M25	7G2,5	6x48,2	229	475	14
03060G70121M25	12G2,5	6x59	385	550	14
03060G72041M40	4G4	7x23	222	360	12
03060G72041M60	4G6	9x29	313	580	10
03060G72041M61	4G10	11x37	522	900	8
03060G72041M62	4G16	14x46	784	1280	6
03060G72041M63	4G25	14,5x50	1163	1800	4
03060G72041M64	4G35	16x55	1549	2300	2

Other dimensions and colors available on request.

FLEXIFESTOON® PV-FLAT UL



Construction:

Conductor:	flexible red copper conductor class M from 16 AWG up to 14 AWG flexible red copper conductor class K from 12 AWG and larger
Insulation:	special PVC compound 105°C
Cores color:	acc. to ICEA Method 1-E2 (K-2)* *5 conductors: 1 green, 2 white, 3 black, 4 red and blue
Stranding:	cores laying parallel
Outer sheath:	yellow (similar to RAL 1021), special PVC compound 105°C black (similar to RAL 9005), on request

Resistance:



Self-extinguishing and flame retardant acc. to:
UL VW-1, CSA FT4

Technical data:

Nominal voltage:	600 V
Max. operating voltage:	2000 V
Test voltage:	2 kV
Temperature range:	-40°C up to +105°C
Max. temp on conductor:	
<i>In service:</i>	up to +90°C (105°C)
<i>In short circuit:</i>	up to +150°C
Min. bending radius:	5 x d
Max. temp on conductor:	
<i>In service:</i>	up to +90°C (105°C)
<i>In short circuit:</i>	up to +150°C
Tensile strenght:	
<i>Static:</i>	15 n/mm ²
<i>Dynamic:</i>	30 n/mm ²
Max speed (main application):	120 m/min

Features:

oil resistant outer sheath
UV resistant
cold resistant
Indoor/outdoor use
high flexibility
minimum waste of space
acc. to NEC approval
UL festoon and AWM 105°C 600 V
CSA festoon 105°C 600 V
for SPEEDS and MINIMUM BENDING RADIUS
see pages from 2 to 8 of catalogue

Part no.	No. of cores x cross section n x AWG	Outer Ø inches/mm ±10%	Copper weight Lbs/Mft - kg/km	Cable weight approx. Lbs/Mft - kg/km
03220FYU040A16	4x16	0,6x0,2 - 15,2x5,1	33,8 - 50,3	87,4 - 130
03220FYU080A16	8x16	1,12x0,2 - 28,5x5,1	67,6 - 100,6	174,7 - 260
03220FYU120A16	12x16	1,68x0,2 - 41x5,1	101,4 - 150,9	268,8 - 400
03220FYU040A14	4x14	0,69x0,24 - 17,5x6,2	53,7 - 79,9	141,1 - 210
03220FYU080A14	8x14	1,34x0,24 - 34x6,2	107,3 - 159,7	255,4 - 380
03220FYU120A14	12x14	1,97x0,24 - 50x6,2	161,3 - 240	362,9 - 540
03220FYU040A12	4x12	0,71x0,24 - 18,1x6	85,4 - 127,1	168 - 250
03220FYU050A12	5x12	0,85x0,22 - 21,5x5,6	106,8 - 158,9	201,6 - 300
03220FYU080A12	8x12	1,34x0,24 - 34x6	170,8 - 254,2	315,8 - 470
03220FYU040A10	4x10	0,89x0,27 - 22,5x6,9	135,7 - 202	255,4 - 380
03220FYU050A10	5x10	1,08x0,27 - 27,5x6,9	169,7 - 252,5	302,4 - 450
03220FYU040A08	4x8	1,2x0,37 - 30,5x9,4	215,2 - 320,2	403,2 - 600
03220FYU040A06	4x6	1,45x0,43 - 36,8x10,9	343 - 510,7	618,2 - 920
03220FYU040A04	4x4	1,68x0,49 - 42,6x12,5	547,1 - 814,1	873,6 - 1300
03220FYU040A02	4x2	1,97x0,57 - 50x14,5	867 - 1290,2	1276,8 - 1900
03220FYU040A1C	4x1/0	2,6x0,75 - 66x19,1	1378 - 2050,6	2221 - 3305
03220FYU040A2C	4x2/0	2,72x0,79 - 69x20	1739,1 - 2588,2	2587,2 - 3850

Other dimensions and colors available on request.

H07RN-F

Rubber Sheathed cable, harmonized type

HAR



Construction:

Conductor:	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	rubber type EI4 acc. to DIN VDE 0282 part 1
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Stranding:	in layers
Outer sheath:	black (similar to RAL 9005), rubber PCP type EM2

Resistance:



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



Ozone resistance to insulation acc. to:
DIN VDE 0472 part 805, test method A
or part 805 A1, test method C

Technical data:

Nominal voltage:	U ₀ /U 450/750 V
Test voltage:	2,5 kV
Temperature range:	
<i>Fixed laying:</i>	-40°C up to +60°C
<i>Flexible application:</i>	-25°C up to +60°C
Min. bending radius:	acc. to DIN VDE 0298 part 3
Tensile strenght:	15 n/mm ²

Features:

can be used up to +85°C for fixed protected installations

0,6/1 kV version on request

for MINIMUM BENDING RADIUS see pages from 5 to 8
of catalogue

RoHS and CE approval



H07RN-F

Rubber Sheathed cable, harmonized type

HAR



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.*)
03070E7L010M15	1x1,5	6,4	14	58	16
03070E7L010M25	1x2,5	7,1	24	71	14
03070E7L010M40	1x4	8,1	38	100	12
03070E7L010M60	1x6	8,8	58	130	10
03070E7L010M61	1x10	10,7	96	230	8
03070E7L010M62	1x16	12,1	154	290	6
03070E7L010M63	1x25	14,2	240	420	4
03070E7L010M64	1x35	16,1	336	530	2
03070E7L010M65	1x50	18,5	480	750	1
03070E7L010M66	1x70	20,9	672	960	2/0
03070E7L010M67	1x95	23,4	912	1250	3/0
03070E7L010M68	1x120	24,8	1152	1560	4/0
03070E7L010M69	1x150	28,3	1440	1900	250 MCM
03070E7L010M70	1x185	31	1776	2300	350 MCM
03070E7L010M71	1x240	34,4	2304	2950	450 MCM
03070E7L010M72	1x300	37,7	2880	3600	550 MCM
03070E7L010M73	1x400	42,1	3840	4600	750 MCM
03070E7L010M74	1x500	46,6	4800	6000	1000 MCM
03070E73020M10	2x1	8,8	19	98	18
03070E73020M15	2x1,5	9,2	29	135	16
03070E73020M25	2x2,5	11,6	48	193	14
03070E73020M40	2x4	13,4	77	280	12
03070E73020M60	2x6	15	115	330	10
03070E73020M61	2x10	20,1	192	586	8
03070E73020M62	2x16	23,0	307	810	6
03070E73020M63	2x25	27,5	480	1160	4
03070E72031M10	3G1	9,5	29	130	18
03070E72031M15	3G1,5	10,5	43	165	16
03070E72031M25	3G2,5	12,4	72	235	14
03070E72031M40	3G4	14,4	115	320	12
03070E72031M60	3G6	16	173	420	10
03070E72031M61	3G10	21,6	288	810	8
03070E72031M62	3G16	24,7	461	1050	6
03070E72031M63	3G25	28	720	1250	4
03070E72031M64	3G35	33,2	1008	1900	2
03070E72031M65	3G50	38,5	1440	2600	1
03070E72031M66	3G70	43,3	2016	3400	2/0
03070E72031M67	3G95	48,6	2736	4450	3/0
03070E72031M68	3G120	53,8	3456	5180	4/0

FESTOON CABLES

H07RN-F

Rubber Sheathed cable, harmonized type

HAR



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. *)
03070E72031M69	3G150	59	4320	6500	250 MCM
03070E72031M70	3G185	64,6	5328	7860	350 MCM
03070E72031M71	3G240	73,5	6192	10224	450 MCM
03070E72031M72	3G300	81	8640	12620	550 MCM
03070E72041M10	4G1	10,5	38	150	18
03070E72041M15	4G1,5	11,6	58	200	16
03070E72041M25	4G2,5	13,8	96	290	14
03070E72041M40	4G4	16	154	395	12
03070E72041M60	4G6	17,8	230	540	10
03070E72041M61	4G10	23,7	384	800	8
03070E72041M62	4G16	26,9	614	1260	6
03070E72041M63	4G25	32,7	960	1860	4
03070E72041M64	4G35	36,3	1334	2380	2
03070E72041M65	4G50	42,5	1920	3190	1
03070E72041M66	4G70	48,3	2688	4260	2/0
03070E72041M67	4G95	54,7	3638	5600	3/0
03070E72041M68	4G120	59,5	4608	6830	3/0
03070E72041M69	4G150	65,5	5760	8320	250 MCM
03070E72041M70	4G185	72	7104	9800	350 MCM
03070E72041M71	4G240	81,5	9216	12100	450 MCM
03070E72041M72	4G300	90,5	11520	15200	550 MCM
03070E72051M15	5G1,5	12,8	72	240	16
03070E72051M25	5G2,5	15,2	120	345	14
03070E72051M40	5G4	17,7	192	485	12
03070E72051M60	5G6	19,8	288	650	10
03070E72051M61	5G10	26	480	1200	8
03070E72051M62	5G16	29,8	768	1550	6
03070E72051M63	5G25	36,2	1200	2250	4
03070E72051M64	5G35	41,3	1680	2750	2
03070E72051M65	5G50	45,4	2400	3950	1
03070E70071M15	7G1,5	16	101	375	16
03070E70071M25	7G2,5	18	168	520	14
03070E70121M25	12G1,5	20	175	460	16
03070E70121M25	12G2,5	23,4	288	760	14
03070E70181M25	18G2,5	27,6	432	850	14
03070E70191M15	19G1,5	23,5	274	810	16
03070E70191M25	19G2,5	28,2	456	1075	14
03070E70241M15	24G1,5	27,5	346	1015	16
03070E70241M25	24G2,5	32,6	576	1390	14

Other dimensions and colors available on request.

FLEXIFESTOON® SOOW

EPDM/CPE cable, UL 600 V -40°C up to 90°C - CSA SOOW 600 V -40°C up to +90°C FT2 Water resistant, MSHA



ELETTROTEKKABEL® FLEXIFESTOON® SOOW
UL 600 V -40°C up to 90°C - CSA SOOW 600 V
-40°C up to 90°C FT2 Water resistant, MSHA

Construction:

Conductor:	finely stranded red copper acc.to Cl. K, acc. to ASTM B-174
Insulation:	rubber EPDM compound
Cores color:	acc. to ICEA Method 1-E1 (K-1)
Stranding:	in layers
Outer sheath:	black (similar to RAL 9005), rubber CPE compound

Resistance:



Flame test acc. to:
CSA FT 2

Technical data:

Nominal voltage:	600 V
Test voltage:	2 kV
Temperature range:	
<i>Fixed laying:</i>	-40°C up to +90°C
<i>Flexible application:</i>	-40°C up to +90°C
Min. bending radius:	
<i>Fixed laying:</i>	4 x D
<i>Flexible application:</i>	4 x D

Features:

UV, ozone, water, oil and abrasion resistant
flexible in cold weather
on request tinned copper conductor
on request screened version

(UL) 600 V -40°C up to 90°C
CSA 600 V -40°C up to 90°C FT2

acc. to UL standard 62

acc. to CSA 22.2 No. 49

acc. to NEC 501.140 Class 1 div. 2

acc. to NEC Article 400

MSHA approval

for MINIMUM BENDING RADIUS see pages from 5 to 8
of catalogue

RoHS approval



FESTOON CABLES

FLEXIFESTOON® SOOW

EPDM/CPE cable, UL 600 V -40°C up to 90°C - CSA SOOW 600 V -40°C up to +90°C FT2 Water resistant, MSHA



ELETTROTEKKABEL® FLEXIFESTOON® SOOW
UL 600 V -40°C up to 90°C - CSA SOOW 600 V
-40°C up to 90°C FT2 Water resistant, MSHA

Part no.	No. of cores x cross section n x AWG	Outer-Ø inches/mm ± 10%	Cable weight approx. Lbs/Mft-kg/km	Current capacity at +30°C Amps
03200F7K020A18	2 x 18	0,346 - 7,6	67 - 100	10
03200F7K030A18	3 x 18	0,365 - 9,27	84 - 125	10
03200F7K040A18	4 x 18	0,39 - 9,91	98 - 146	7
03200F7K050A18	5 x 18	0,465 - 11,81	116 - 173	5
03200F7K020A16	2 x 16	0,37 - 9,4	81 - 121	13
03200F7K030A16	3 x 16	0,39 - 9,91	94 - 140	13
03200F7K040A16	4 x 16	0,415 - 10,54	118 - 176	10
03200F7K050A16	5 x 16	0,495 - 12,57	143 - 213	8
03200F7K080A16	8 x 16	0,575 - 14,6	222 - 331	-
03200F7K100A16	10 x 16	0,62 - 15,8	278 - 414	-
03200F7K120A16	12 x 16	0,66 - 16,8	305 - 454	-
03200F7K020A14	2 x 14	0,5 - 12,7	134 - 199	18
03200F7K030A14	3 x 14	0,525 - 13,34	169 - 252	18
03200F7K040A14	4 x 14	0,57 - 14,48	201 - 299	15
03200F7K050A14	5 x 14	0,668 - 16,97	272 - 405	12
03200F7K080A14	8 x 14	0,74 - 18,9	324 - 480	32
03200F7K020A12	2 x 12	0,57 - 14,48	184 - 274	25
03200F7K030A12	3 x 12	0,595 - 15,11	224 - 333	25
03200F7K040A12	4 x 12	0,650 - 16,51	276 - 411	20
03200F7K050A12	5 x 12	0,713 - 18,11	318 - 473	16
03200F7K080A12	8 x 12	0,80 - 20,2	408 - 607	14
03200F7K200A12	20 x 12	1,22 - 31	971 - 1445	10
03200F7K020A10	2 x 10	0,615 - 15,62	225 - 335	30
03200F7K030A10	3 x 10	0,66 - 16,76	299 - 445	30
03200F7K040A10	4 x 10	0,71 - 18,03	360 - 536	25
03200F7K050A10	5 x 10	0,77 - 19,56	409 - 609	20
03200F7K030A08	3 x 8	0,88 - 22,35	485 - 722	40
03200F7K040A08	4 x 8	0,953 - 24,21	619 - 921	35
03200F7K050A08	5 x 8	1,034 - 26,26	722 - 1074	28
03200F7K030A06	3 x 6	1,04 - 26,42	700 - 1042	55
03200F7K040A06	4 x 6	1,125 - 28,58	837 - 1246	45
03200F7K050A06	5 x 6	1,185 - 30,1	979 - 1457	36
03200F7K030A04	3 x 4	1,315 - 28,83	902 - 1342	70
03200F7K040A04	4 x 4	1,255 - 31,88	1144 - 1702	60
03200F7K050A04	5 x 4	1,348 - 34,24	1320 - 1964	48
03200F7K020A02	3 x 2	1,305 - 33,15	1277 - 1900	95
03200F7K040A02	4 x 2	1,455 - 36,96	1639 - 2439	80
03200F7K050A02	5 x 2	1,556 - 39,52	1925 - 2439	64

Other dimensions and colors available on request.

FLEXIFESTOON® SEOOW YELLOW

TPE/TPE cable, UL 600 V -60°C up to 105°C - CSA SEOOW 600 V -60°C up to +105°C FT2 Water resistant, MSHA



ELETTROTEKKABEL® FLEXIFESTOON® SEOOW YELLOW
UL 600 V -60°C up to 105°C - CSA SEOOW 600 V
-60°C up to 105°C FT2 Water resistant, MSHA



Construction:

Conductor:	finely stranded red copper acc.to Cl. K, acc. to ASTM B-174
Insulation:	TPE compound
Cores color:	acc. to ICEA Method 1-E1 (K-1)
Stranding:	in layers
Outer sheath:	yellow (similar to RAL 1021), TPE compound

Resistance:



Flame test acc. to:
CSA FT 2

Technical data:

Nominal voltage:	600 V
Test voltage:	2 kV
Temperature range:	
<i>Fixed laying:</i>	-60°C up to +105°C
<i>Flexible application:</i>	-60°C up to +105°C
Min. bending radius:	
<i>Fixed laying:</i>	4 x D
<i>Flexible application:</i>	4 x D

Features:

UV, ozone, water, oil and abrasion resistant
flexible in cold weather
on request tinned copper conductor
on request screened version

(UL) 600 V -50°C up to 105°C
CSA 600 V -50°C up to 105°C FT2

acc. to UL standard 62

acc. to CSA 22.2 No. 49

acc. to NEC 501.140 Class 1 div. 2

acc. to NEC Article 400

acc. to Federal Spec JC580

acc. to EPA 40 CFR part 26-C,

heavy metals per table 1, TCLP method

MSHA approval

for MINIMUM BENDING RADIUS see pages from 5 to 8
of catalogue

RoHS approval

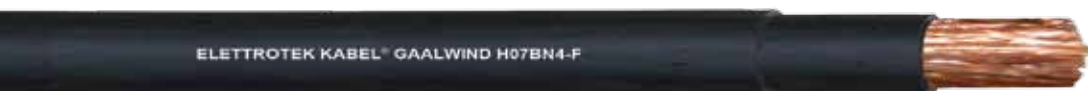


Part no.	No. of cores x cross section n x AWG	Outer-Ø inches/mm ± 10%	Cable weight approx. Lbs/Mft-kg/km	Current capacity at +30°C Amps
03210FYK020A18	2 x 18	0,342 - 8,69	53 - 79	10
03210FYK030A18	3 x 18	0,362 - 9,19	63 - 94	10
03210FYK040A18	4 x 18	0,387 - 9,83	79 - 118	7
03210FYK020A16	2 x 16	0,367 - 9,32	64 - 95	13
03210FYK030A16	3 x 16	0,387 - 9,83	78 - 116	13
03210FYK040A16	4 x 16	0,412 - 10,46	93 - 138	10
03210FYK020A14	2 x 14	0,497 - 12,62	115 - 171	18
03210FYK030A14	3 x 14	0,522 - 13,26	138 - 205	18
03210FYK040A14	4 x 14	0,562 - 14,27	166 - 247	15
03210FYK020A12	2 x 12	0,567 - 14,4	151 - 225	25
03210FYK030A12	3 x 12	0,595 - 15,11	185 - 275	25
03210FYK040A12	4 x 12	0,642 - 16,31	227 - 338	20
03210FYK020A10	2 x 10	0,617 - 15,67	192 - 286	30
03210FYK030A10	3 x 10	0,652 - 16,56	244 - 363	30
03210FYK040A10	4 x 10	0,702 - 17,83	300 - 446	25

Other dimensions and colors available on request.

FLEXIFESTOON® H07BN4-F

HAR



Construction:

Conductor:	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	rubber EPR type E17 acc. to DIN VDE 0282 part 1
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Outer sheath:	black (similar to RAL 9005), rubber EPR type EM7

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:	U ₀ /U 450/750 V
Test voltage:	3 kV
Temperature range:	-45°C up to +90°C
Max short circuit temperature:	+ 250°C
Min. bending radius:	
Fixed laying:	acc. to CEI 20-20/20-19
	D ≤ 8 8 < D ≤ 12 12 < D ≤ 20 D > 20
<i>normal use:</i>	4 x D 5 x D 6 x D 6 x D
<i>accurate bending close to the terminal:</i>	2 x D 3 x D 4 x D 4 x D
Flexible application:	acc. to CEI 20-20
<i>fixed lay:</i>	3 x D 3 x D 4 x D 4 x D
<i>free move:</i>	4 x D 4 x D 5 x D 6 x D
<i>at the entrance to a portable device or a mobile equipment:</i>	
- without cable stressing:	4 x D 4 x D 5 x D 6 x D
- without mechanical stress:	6 x D 6 x D 6 x D 8 x D
<i>festoon i.e. for support crane:</i>	6 x D 6 x D 6 x D 8 x D
<i>repeated winding:</i>	6 x D 6 x D 6 x D 8 x D
<i>turned off on pulley:</i>	8 x D 8 x D 8 x D 8 x D
Max. torsion:	+/- 150°/1 m

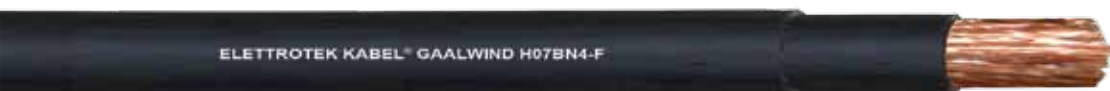
Features:

UV resistant
on request tinned copper conductors
acc. to CENELEC HD 22.2 , CEI 20-19
acc. to CEI 20-19/12, CEI 20-35, CENELEC HD 21.12 S1
for MINIMUM BENDING RADIUS see pages from 5 to 8 of catalogue
RoHS and CE approval



FLEXIFESTOON® H07BN4-F

HAR



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.*)
03080E7L010M15	1x1,5	5,9	14,4	50	16
03080E7L010M25	1x2,5	6,5	24	65	14
03080E7L010M40	1x4	7,4	38,4	89	12
03080E7L010M60	1x6	8,1	57,6	115	10
03080E7L010M61	1x10	10,4	96	190	8
03080E7L010M62	1x16	11,6	153,6	259	6
03080E7L010M63	1x25	13,7	240	375	4
03080E7L010M64	1x35	15,3	336	492	2
03080E7L010M65	1x50	17,7	480	675	1
03080E7L010M66	1x70	20	672	908	2/0
03080E7L010M67	1x95	22,1	912	1171	3/0
03080E7L010M68	1x120	24,5	1152	1445	4/0
03080E7L010M69	1x150	26,9	1440	1783	250 MCM
03080E7L010M70	1x185	28,9	1776	2125	350 MCM
03080E7L010M71	1x240	32,6	2304	2733	450 MCM
03080E7L010M72	1x300	36,7	2880	3348	550 MCM
03080E7L010M73	1x400	39,9	3840	4327	750 MVM
03080E7L010M74	1x500	45,8	4800	5450	950 MCM
03080E7L010M75	1x630	54	6048	6900	1200 MCM

Other dimensions and colors available on request.

FLEXIFESTOON® DLO



ELETTROTEK KABEL® FLEXIFESTOON® DLO

Construction:

Conductor:	annealed stranded tinned copper, acc. to ASTM B-33, AAR-598
Insulation:	special EPR compound
Core color:	black
Stranding:	in layers
Outer sheath:	black (similar to RAL 9005), special rubber CPE compound

Resistance:



Flame test acc. to:
FT4, FT1, UL VW-1

Technical data:

Nominal voltage:	Uo/U DLO 2000 V
Test voltage:	4 kV
Temperature range:	-40°C up to +90°C
Min. bending radius:	
<i>Fixed laying:</i>	4 x D
<i>Flexible application:</i>	6 x D

Features:

UV, wet, oils and chemical resistant

UL: 90°C, 600 V for CT use, VW-1 CSA RW 90°C DRY/WET 600 V -40°C FT1, MSHA DLO Type 2000 V

UL44 Type RHH/RHW-2,

1000 V CSA Type RW-90

ICEA S-95-685/ NEMA WC 70

90°C WET/DRY for continuous exposure

approved for CT use

for MINIMUM BENDING RADIUS see pages from 5 to 8 of catalogue

RoHS approval



Part no.	No. of cores x cross section n x AWG	Outer-Ø inches/mm ± 10%	Cable weight approx. Lbs/Mft-kg/km	Current capacity at +30°C Amps
0325017L010A08	1x8	0,348-8,84	105-156	80
0325017L010A06	1x6	0,386-9,8	146-217	105
0325017L010A04	1x4	0,438-11,1	206-307	140
0325017L010A02	1x2	0,500-12,7	293-436	190
0325017L010A01	1x1	0,613-15,6	392-584	220
0325017L010A1C	1x1/0	0,620-15,8	462-688	260
0325017L010A2C	1x2/0	0,680-17,3	558-830	300
0325017L010A3C	1x3/0	0,752-19,1	673-1003	350
0325017L010A4C	1x4/0	0,780-19,8	833-1240	405
0325017L010A5C	1x262	0,920-23,4	1077-1603	467
0325017L010A6C	1x313	0,968-24,6	1225-1823	518
0325017L010A7C	1x373	1,065-27	1485-2210	588
0325017L010A9C	1x444	1,132-28,8	1913-2847	649
0325017L010ABC	1x535	1,240-31,5	2023-3010	7L5
0325017L010ADC	1x646	1,359-34,5	2515-3742	814
0325017L010AFC	1x777	1,382-35,1	3050-4538	900

Other dimensions and colors available on request.

FLEXIFESTOON® (N)GRDGÖU-J

Flexible round festoon cable acc. to VDE 0250 part 813 as far as applicable

ELETTROTEK KABEL® FLEXIFESTOON® (N)GRDGÖU-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
Bus cores and twisted pair screen:	synthetic tapes and tinned copper wires braid screen
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores white cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Stranding:	in layers
Inner sheath	rubber EPR type GM1b, acc. to DIN VDE 0207 part 21
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 ₀ /U 0,6/1 kV
Max. operating voltage in A.C. systems:	U ₀ /U 0,7/1,2 kV
Max. operating voltage in D.C. systems:	U ₀ /U 0,9/1,8 kV
Test voltage A.C.:	
Power cores:	3,5 kV
Control cores:	2,5 kV
Temperature range:	
Fixed laying:	-50°C up to +80°C
Flexible application:	-35°C up to +80°C
Max. temp on conductor:	
In service:	up to +90°C
In short circuit:	up to +250°C
Min. bending radius:	acc. to DIN VDE 0298 part 3
Tensile strenght:	
Static:	15 n/mm ²
Dynamic:	30 n/mm ²
Max. torsion:	± 25°/1mt.
Max speed (main application):	240 m/min

Features:

UV, ozone, moisture and water resistant

outdoor use

On request:

Marking UL 600 V or MSHA identified with "5" on the 5th number of the Part. no

GOST-R approval on request

for SPEEDS and MINIMUM BENDING RADIUS see pages from 2 to 8 of catalogue

RoHS and CE approval



Applications:

flexible power and control cable using for FESTOON SYSTEMS, cranes equipment, etc.

FESTOON CABLES

FLEXIFESTOON® (N)GRDGÖU-J

Flexible round festoon cable acc. to VDE 0250 part 813 as far as applicable

ELETTROTEK KABEL® FLEXIFESTOON® (N)GRDGÖU-J



Suitable for festoon application

POWER:

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	Tensile strength N	AWG no.®)
03090G7L010M63	1x25	11,5	240	325	375	4
03090G7L010M64	1x35	13,3	336	420	525	2
03090G7L010M65	1x50	16,6	480	620	750	1
03090G7L010M66	1x70	17,9	672	825	1050	2/0
03090G7L010M67	1x95	19,8	912	1060	1425	3/0
03090G7L010M68	1x120	22,1	1152	1337	1800	4/0
03090G7L010M69	1x150	24,4	1440	1642	2250	250 MCM
03090G7L010M70	1x185	26,8	1776	2004	2775	350 MCM
03090G72037M64	3x35+3G16/3	29,5	1161,6	1795	1575	2
03090G72037M65	3x50+3G25/3	34,5	1680	2535	2250	1
03090G72037M66	3x70+3G35/3	40,8	2352	3560	3150	2/0
03090G72037M66	3x95+3G50/3	42,5 max.	3216	4493	4275	3/0
03090G72041M40	4G4	14,9	153,6	330	240	12
03090G72041M60	4G6	17,1	230,4	468	360	10
03090G72041M61	4G10	19,4	360	685	600	8
03090G72041M62	4G16	24,1	614,4	1055	960	6
03090G72041M63	4G25	28,6	960	1595	1500	4
03090G72041M64	4G35	31,8	1344	2080	2100	2
03090G72041M65	4G50	37,5	1920	2960	3000	1
03090G72051M40	5G4	17	192	440	300	12
03090G72051M60	5G6	18,8	288	565	450	10
03090G72051M61	5G10	22,1	480	865	750	8
03090G72051M62	5G16	26,5	768	1287	1200	6
03090G72051M63	5G25	31,5 max.	1200	1990	1900	4

CONTROL:

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	Tensile strength N	AWG no.®)
03090G7A121M15	12G1,5	17,5	172,8	435	270	16
03090G7A181M15	18G1,5	20	388,8	610	405	16
03090G7A241M15	24G1,5	23,4	345,6	808	540	16
03090G7A301M15	30G1,5	24,7	432	936	675	16
03090G7A361M15	36G1,5	26,4	518,4	1080	810	16
03090G7A041M25	4G2,5	15,8	96	367	150	14
03090G7A071M25	7G2,5	19,8	168	600	262	14
03090G7A121M25	12G2,5	19,1	288	585	450	14
03090G7A181M25	18G2,5	22,8	432	872	650	14
03090G7A241M25	24G2,5	26	576	1100	900	14
03090G7A301M25	30G2,5	28,1	720	1345	1125	14
03090G7A361M25	36G2,5	30,2	864	1560	1350	14

BUS (TWISTED PAIRS SCREENED):

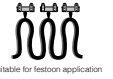
Part no.	No. of cores/pairs x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	Tensile strength N	AWG no.®)
03090G7C032M10	3x(2x1)C	19,5	675	90	18
03090G7C062M05	6x(2x0,5)C	20,5	840	180	20
03090G7C062M10	6x(2x1)C	27	1260	180	18
03090G7C092M05	9x(2x0,5)C	27,5	1348	270	20
03090G7C092M10	9x(2x1)C	34	2002	270	18
03090G7C122M05	12x(2x0,5)C	28,5	1536	360	20
03100G7C120M10	(12x1)C	17	578	180	18

Other dimensions and colors available on request.

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:	
Fixed laying:	-50°C up to +80°C
Flexible application:	-35°C up to +80°C
Max. temp on conductor:	
In service:	up to +90°C
In short circuit:	up to +250°C
Min. bending radius:	acc. to DIN VDE 0298 part 3
Tensile strenght:	
Static:	15 n/mm ²
Dynamic:	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

FLEXIFESTOON® (N)GRDGCÖU-J

Flexible screened round festoon cable

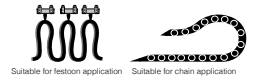
ELETTROTEK KABEL® FLEXIFESTOON® (N)GRDGCÖU-J



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.

FLEXIFESTOON® PUR



Construction:

Conductor:	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	special TPE compound
Cores color:	acc. to DIN VDE 0293-308, HD 308 S2 from 6 cores black cores with consecutive numbers acc. to EN 50334; green-yellow earth-wire from 3 cores
Central unit:	textile elements
Stranding:	in layers around central unit
Wrapping:	non woven tape
Outer sheath:	black (similar to RAL 9005), PUR compound

Resistance:



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



Halogen-free acc. to:
DIN VDE 0482 part 267,
EN 50267-2-1,
IEC 60754-1

Technical data:

Nominal voltage:	U ₀ /U 0,6/1 kV
Test voltage:	4 kV
Temperature range:	
<i>Fixed laying:</i>	-50°C up to +90°C
<i>Flexible application:</i>	-40°C up to +90°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:	6 x D
Tensile strenght:	up to 15 N/mm ²
Max speed (main application):	240 m/min

Features:

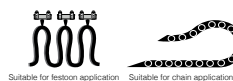
UV, oil, and chemical resistance
small outer diameter
reduced cable weight
high mechanical resistance
for SPEEDS and MINIMUM BENDING RADIUS
see pages from 2 to 8 of catalogue
RoHS and CE approval



Applications:

FLEXIFESTOON® PUR is used as energy and control cable at very high mechanical stresses. For FESTOON SYSTEMS, and machine tools or conveying systems. Possible drum reeling cable use.

FLEXIFESTOON® PUR



ELETTROTEK KABEL® FLEXIFESTOON® PUR

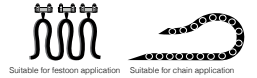
Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.*)
03110G7L010M62	1x16	8,7	153,6	179	6
03110G7L010M63	1x25	10,5	240	272	4
03110G7L010M64	1x35	12,1	226	377	2
03110G7L010M65	1x50	13,5	480	534	1
03110G7L010M66	1x70	15,8	672	712	2/0
03110G7L010M67	1x95	18,7	912	990	3/0
03110G7L010M68	1x120	20,4	1152	1187	4/0
03110G7L010M69	1x150	22,3	1440	1482	250 MCM
03110G7L010M70	1x185	24	1776	1781	350 MCM
03110G7L010M71	1x240	28,1	2304	2412	450 MCM
03110G72031M15	3G1,5	7,3	43,2	76	16
03110G72041M15	4G1,5	7,9	57,6	94	16
03110G72051M15	5G1,5	8,6	72	116	16
03110G70071M15	7G1,5	10,2	100,8	167	16
03110G70121M15	12G1,5	12,6	172,8	246	16
03110G70181M15	18G1,5	15	259,2	369	16
03110G70241M15	24G1,5	17,7	345,6	477	16
03110G70301M15	30G1,5	18,9	432	583	16
03110G72031M25	3G2,5	8,3	72	109	14
03110G72041M25	4G2,5	9,3	96	140	14
03110G72051M25	5G2,5	10,1	120	174	14
03110G70071M25	7G2,5	12,1	168	251	14
03110G70121M25	12G2,5	15,0	288	379	14
03110G70181M25	18G2,5	17,5	432	557	14
03110G70241M25	24G2,5	21,1	576	732	14
03110G70301M25	30G2,5	22,3	720	889	14
03110G72041M40	4G4	10,9	153,6	208	12
03110G72041M60	4G6	12,8	230,4	301	10
03110G72041M61	4G10	16,5	384	497	8
03110G72041M62	4G16	20,7	614,4	769	6
03110G72041M63	4G25	24,3	960	1125	4
03110G72041M64	4G35	28,5	1344	1585	2
03110G72041M65	4G50	32,1	1920	2232	1
03110G72051M61	5G10	18,2	480	616	8
03110G72051M62	5G16	23,1	768	980	6
03110G72051M63	5G25	27,1	1200	1434	4

Other dimensions and colors available on request.

FLEXIFESTOON® C PUR



ELETTROTEK KABEL® FLEXIFESTOON® C PUR



Construction:

Conductor:	flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
Insulation:	special TPE 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
Central unit:	textile elements
Stranding:	in layers around central unit
Screen:	tinned copper braid
Outer sheath:	black (similar to RAL 9005), PUR compound

Resistance:



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



Halogen-free acc. to:
DIN VDE 0482 part 267,
EN 50267-2-1,
IEC 60754-1

Technical data:

Nominal voltage:	U ₀ /U 0,6/1 kV
Test voltage:	4 kV
Temperature range:	
<i>Fixed laying:</i>	-50°C up to +90°C
<i>Flexible application:</i>	-40°C up to +90°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:	6 x D
Tensile strenght:	up to 15 n/mm ²
Max speed (main application):	240 m/min

Features:

UV, oil, and chemical resistance
small outer diameter
reduced cable weight
high mechanicla resistance
for SPEEDS and MINIMUM BENDING RADIUS
see pages from 2 to 8 of catalogue

RoHS and CE approval

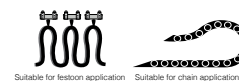
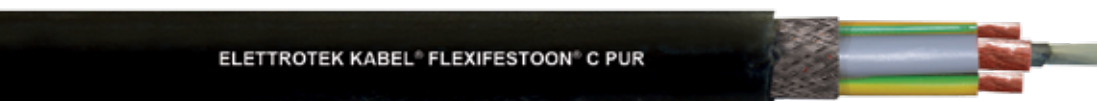


Applications:

FLEXIFESTOON® C PUR
is used as energy and control cable at very high mechanical stresses.
For FESTOON SYSTEMS, and machine tools or conveying systems.
Possible drum reeling cable use.

FESTOON CABLES

FLEXIFESTOON® C PUR



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	Tensile strength N	AWG no.*)
03120G72041M40	4G4	14	221	340	240	12
03120G72041M60	4G6	15,2	300	430	360	10
03120G72041M61	4G10	18,5	454	640	600	8
03120G72041M62	4G16	22	694	1070	960	6
03120G72041M63	4G25	25,5	1050	1520	1500	4
03120G72041M64	4G35	30	1444	2037	2100	2
03120G72041M65	4G50	35	2124	2780	3000	1
03120G70081M25	8G2,5	13	254,4	342	300	14
03120G72037M40	3x4+3G4/3	12,6	212	269	240	12
03120G72037M60	3x6+3G6/3	14,7	297,6	376	360	10
03120G72037M61	3x10+3G10/3	18,5	495,5	631	600	8
03120G72037M62	3x16+3G16/3	21,7	747,8	922	960	6
03120G72037M63	3x25+3G16/3	23,4	1026	1182	1500	4
03120G72037M64	3x35+3G16/3	26,8	1326	1528	2500	2
03120G72037M65	3x50+3G25/3	30	1874,4	2146	3000	1
03120G72037M66	3x70+3G10	35,8	2581,4	2901	4000	2/0

Other dimensions and colors available on request.