

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



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 I, Division. 1 and 2

acc. to NEC Article 400

MSHA approval

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

RoHS approval



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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® SEOOOW YELLOW

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



ELETTROTEKKABEL® FLEXIFESTOON® SEOOOW YELLOW
UL 600 V -60°C up to 105°C - CSA SEOOOW 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
on request black outer sheath 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 I, Division. 1 and 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® 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:	U ₀ /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® 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:**
In service: up to +90°C (105°C)
In short circuit: up to +150°C
- Min. bending radius:** 5 x d
- Max. temp on conductor:**
In service: up to +90°C (105°C)
In short circuit: up to +150°C
- Tensile strenght:**
Static: 15 n/mm²
Dynamic: 30 n/mm²
- 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
03220FYU120A10	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.