

# CABLE REELS

## FLEXIDRUM® MEDIUM SHD GC

From 2 Kv up to 25 Kv, acc. to ICEA S-75-381 or CSA C22.2 No. 96-17



### Construction:

<b>Power conductors:</b>	flexible tinned copper conductor, acc. to ASTM B-172/174
<b>Inner semi-conductive layer:</b>	polyester tape (2 kV) or semi-conducting compound (from 5 kV up to 25 kV)
<b>Insulation:</b>	rubber EPR compound
<b>Outer semi-conductive layer:</b>	non-conducting compound (from 2 kV up to 5 kV) or semi-conducting compound (from 8 kV up to 25 kV)
<b>Power screen:</b>	mixed tinned copper wires + textile fiber or polyamide braid on each power core
<b>Ground conductors:</b>	two flexible tinned copper conductors acc. to ASTM B-172/174, uninsulated
<b>Monitoring conductor:</b>	flexible tinned copper conductor acc. to ASTM B-172/174
<b>Monitoring insulation:</b>	PP compound
<b>Cores color:</b>	<b>Power:</b> textile fiber or polyamide braid on each power core: black, white, red acc. to ICEA S-75-381, black, black, red (2 kV), black, blue, red (from 5 kV up to 25 kV) acc. to CSA C22.2 No. 96-17 <b>Monitoring:</b> yellow
<b>Stranding:</b>	3 power conductors laid up with 2 ground-conductors and a monitoring conductor in interstices
<b>Inner sheath:</b>	black (similar to RAL 9005), special rubber CPE or rubber compound
<b>Supporting screen:</b>	anti-twisting protection of polyester or polyamide braid
<b>Outer sheath:</b>	black (similar to RAL 9005), special rubber CPE or CR compound

### Technical data:

<b>Nominal voltage:</b>	2 kV up to 25 kV
<b>Temperature range:</b>	
<i>Fixed laying:</i>	-30°C up to +90°C
<i>Flexible installation:</i>	-50°C up to +90°C
<b>Max. temperature in short circuit:</b>	+ 250 °C
<b>Min. bending radius:</b>	6 x D (from 2 kV up to 5 kV) 8 x D (from 8 kV up to 25 kV)

### Resistance:



**Flame test acc. to:**  
CSA FT1, FT5

### Features:

acc. to ICEA S-75-381/NEMA WC-58 or CSA C.22.2 No. 96-17

CSA C.22.2 No. 96-17 version identified with "5" on the 5th number of the Part. n

MSHA approval

\*Current carrying capacity acc. to ICEA S-75-381 Table I-1, 40°C ambient temp. / 90°C cond. temp.

excellent flexibility

oil and heat resistant

ozone resistant

sunlight resistant

weather resistant

impact resistance

abrasion resistance

on request PUR outer sheath

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

RoHS approval



### Applications:

These cables are designed for use on AC off track equipment, long wall miners loaders, drills, shovels, conveyors, pumps and mobile equipment requiring grounding conductors and a ground check conductor and metallic shielding overall.

Suitable for use on reels in mining applications with max. speed 120 m/min.

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2 kV, ICEA S-75-381/NEMA WC-58

Part no.	POWER AWG no.*)	GROUND AWG no.*)	MONITORING AWG no.*)	Outer-Ø inches/mm ± 10%		Weight approx. Lbs/Mft - kg/km		Maximum tensile load N	*Current carrying capacity A
02110170037A08	3x8	2x10	1x12	1,07	27,3	766	1140	380	-
02110170037A06	3x6	2x10	1x10	1,25	31,7	1042	1550	600	93
02110170037A04	3x4	2x8	1x10	1,36	34,5	1337	1990	950	122
02110170037A02	3x2	2x6	1x8	1,54	39	1821	2710	1500	159
02110170037A01	3x1	2x5	1x8	1,70	43,2	2231	3320	1900	184
02110170037A1C	3x1/0	2x4	1x8	1,79	45,5	2607	3880	2400	211
02110170037A2C	3x2/0	2x3	1x8	1,93	49	3125	4650	3000	243
02110170037A3C	3x3/0	2x2	1x8	2,06	52,2	3676	5470	3800	279
02110170037A4C	3x4/0	2x1	1x8	2,22	56,5	4442	6610	4800	321
02110170037A5C	3x250 MCM	2x1/0	1x8	2,41	61,2	5168	7690	5800	355
02110170037A6C	3x300 MCM	2x1/0	1x8	2,57	65,3	5883	8755	6825	398
02110170037A7C	3x350 MCM	2x2/0	1x8	2,7	68,5	6592	9810	7900	435
02110170037AAC	3x500 MCM	2x4/0	1x8	3,06	77,7	9173	13650	11400	539

5 kV, ICEA S-75-381/NEMA WC-58

Part no.	POWER AWG no.*)	GROUND AWG no.*)	MONITORING AWG no.*)	Outer-Ø inches/mm ± 10%		Weight approx. Lbs/Mft - kg/km		Maximum tensile load N	*Current carrying capacity A
02110270037A06	3x6	2x10	1x8	1,52	38,5	1378	2050	600	93
02110270037A04	3x4	2x8	1x8	1,63	41,3	1734	2580	950	122
02110270037A02	3x2	2x6	1x8	1,81	46	2271	3380	1500	159
02110270037A01	3x1	2x5	1x8	1,89	48	2540	3780	1900	184
02110270037A1C	3x1/0	2x4	1x8	2,01	51	2977	4430	2400	211
02110270037A2C	3x2/0	2x3	1x8	2,13	54	3508	5220	3000	243
02110270037A3C	3x3/0	2x2	1x8	2,28	57,8	4119	6130	3800	279
02110270037A4C	3x4/0	2x1	1x8	2,41	61,2	4852	7220	4800	321
02110270037A5C	3x250 MCM	2x1/0	1x8	2,60	66	5611	8350	5800	355
02110270037A7C	3x350 MCM	2x2/0	1x8	2,83	72	7157	10650	7900	435
02110270037AAC	3x500 MCM	2x4/0	1x8	3,19	81	9509	14150	11400	539

8 kV, ICEA S-75-381/NEMA WC-58

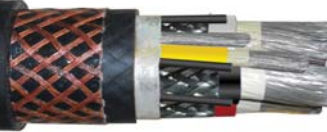
Part no.	POWER AWG no.*)	GROUND AWG no.*)	MONITORING AWG no.*)	Outer-Ø inches/mm ± 10%		Weight approx. Lbs/Mft - kg/km		Maximum tensile load N	*Current carrying capacity A
02110P70037A1C	3x1/0	2x4	1x8	2,24	57	3454	5140	2400	211
02110P70037A2C	3x2/0	2x3	1x8	2,38	60,5	4052	6030	3000	243
02110P70037A4C	3x4/0	2x1	1x8	2,76	70	5416	8060	4800	321
02110P70037A5C	3x250 MCM	2x1/0	1x8	2,78	70,5	6102	9080	5800	355
02110P70037A7C	3x350 MCM	2x2/0	1x8	3,07	78	7809	11620	7900	435
02110P70037AAC	3x500 MCM	2x4/0	1x8	3,41	86,6	10248	15250	11400	539

# CABLE REELS

## FLEXIDRUM® MEDIUM SHD GC

From 2 Kv up to 25 Kv, acc. to ICEA S-75-381 or CSA C22.2 No. 96-17

ELETTROTEK KABEL® FLEXIDRUM® MEDIUM SHD GC



15 kV, ICEA S-75-381/NEMA WC-58

Part no.	POWER AWG no.*)	GROUND AWG no.*)	MONITORING AWG no.*)	Outer-Ø inches/mm ± 10%		Weight approx. Lbs/Mft - kg/km		Maximum tensile load N	*Current carrying capacity A
02110T70037A02	3x2	2x6	1x8	2,36	60	3273	4870	1500	159
02110T70037A01	3x1	2x5	1x8	2,42	61,5	3649	5430	1900	184
02110T70037A1C	3x1/0	2x4	1x8	2,54	64,5	4119	6130	2400	211
02110T70037A2C	3x2/0	2x3	1x8	2,62	66,5	4630	6890	3000	243
02110T70037A3C	3x3/0	2x2	1x8	2,78	70,5	5342	7950	3800	279
02110T70037A4C	3x4/0	2x1	1x8	2,93	74,5	6149	9150	4800	321
02110T70037A5C	3x250 MCM	2x1/0	1x8	2,97	75,5	7090	10550	5800	355
02110T70037A7C	3x350 MCM	2x2/0	1x8	3,27	83	8366	12450	7900	435

25 kV, ICEA S-75-381/NEMA WC-58

Part no.	POWER AWG no.*)	GROUND AWG no.*)	MONITORING AWG no.*)	Outer-Ø inches/mm ± 10%		Weight approx. Lbs/Mft - kg/km		Maximum tensile load N	*Current carrying capacity A
02110W70037A02	3x2	2x6	1x8	2,6	66	3884	5780	1500	159
02110W70037A01	3x1	2x5	1x8	2,83	72	4630	6890	1900	184
02110W70037A1C	3x1/0	2x4	1x8	2,93	74,4	5107	7600	2400	211
02110W70037A2C	3x2/0	2x3	1x8	3,07	78	5806	8640	3000	243
02110W70037A3C	3x3/0	2x2	1x8	3,19	81	6451	9600	3800	279
02110W70037A4C	3x4/0	2x1	1x8	3,36	85,3	7399	11010	4800	321
02110W70037A5C	3x250 MCM	2x1/0	1x8	3,44	87,5	7943	11820	5800	355
02110W70037A7C	3x350 MCM	2x2/0	1x8	3,66	93	9630	14330	7900	435

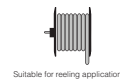
# CABLE REELS

## FLEXIDRUM® MEDIUM SHD GC

From 2 Kv up to 25 Kv, acc. to ICEA S-75-381 or CSA C22.2 No. 96-17



ELETTROTEK KABEL® FLEXIDRUM® MEDIUM SHD GC



2 kV, CSA C22.2 NO. 96-17

Part no.	POWER AWG no.*)	GROUND AWG no.*)	MONITORING AWG no.*)	Outer-Ø inches/mm ± 10%		Weight approx. Lbs/Mft - kg/km		Maximum tensile load N	*Current carrying capacity A
02115170037A14	3x14	2x14	1x14	0,91	23,2	491	730	94	-
02115170037A12	3x12	2x12	1x14	0,91	23,2	524	780	148	-
02115170037A10	3x10	2x12	1x12	0,97	24,7	598	890	238	-
02115170037A08	3x8	2x10	1x10	1,06	26,8	753	1120	380	-
02115170037A06	3x6	2x10	1x10	1,22	31,1	1015	1510	600	93
02115170037A04	3x4	2x9	1x10	1,35	34,3	1304	1940	950	122
02115170037A02	3x2	2x7	1x8	1,52	38,5	1808	2690	1500	159
02115170037A01	3x1	2x6	1x8	1,67	42,5	2157	3210	1900	184
02115170037A1C	3x1/0	2x5	1x8	1,78	45,3	2547	3790	2400	211
02115170037A2C	3x2/0	2x4	1x8	1,9	48,3	3024	4500	3000	243
02115170037A3C	3x3/0	2x3	1x8	2,05	52	3575	5320	3800	279
02115170037A4C	3x4/0	2x2	1x8	2,20	56	4308	6410	4800	321
02115170037A5C	3x250 MCM	2x1	1x8	2,38	60,5	5006	7450	5800	355
02115170037A7C	3x350 MCM	2x1/0	1x8	2,69	68,2	6606	9830	7900	435
02115170037AAC	3x500 MCM	2x3/0	1x8	3,05	77,5	8891	13230	11400	539

5 kV, CSA C22.2 NO. 96-17

Part no.	POWER AWG no.*)	GROUND AWG no.*)	MONITORING AWG no.*)	Outer-Ø inches/mm ± 10%		Weight approx. Lbs/Mft - kg/km		Maximum tensile load N	*Current carrying capacity A
02115270037A06	3x6	2x10	1x8	1,51	38,3	1384	2060	600	93
02115270037A04	3x4	2x9	1x8	1,59	40,5	1646	2450	950	122
02115270037A02	3x2	2x7	1x8	1,8	45,7	2433	3620	1500	159
02115270037A01	3x1	2x6	1x8	1,86	47,3	2453	3650	1900	184
02115270037A1C	3x1/0	2x5	1x8	2,16	54,8	3219	4790	2400	211
02115270037A2C	3x2/0	2x4	1x8	2,08	52,8	3360	5000	3000	243
02115270037A3C	3x3/0	2x3	1x8	2,23	56,7	3958	5890	3800	279
02115270037A4C	3x4/0	2x2	1x8	2,38	60,5	4697	6990	4800	321
02115270037A5C	3x250 MCM	2x1	1x8	2,58	65,5	5430	8080	5800	355
02115270037A7C	3x350 MCM	2x1/0	1x8	2,83	71,8	6969	10370	7900	435
02115270037AAC	3x500 MCM	2x3/0	1x8	3,2	81,3	9260	13780	11400	539

8 kV, CSA C22.2 NO. 96-17

Part no.	POWER AWG no.*)	GROUND AWG no.*)	MONITORING AWG no.*)	Outer-Ø inches/mm ± 10%		Weight approx. Lbs/Mft - kg/km		Maximum tensile load N	*Current carrying capacity A
02115P70037A04	3x4	2x9	1x8	1,87	47,6	2097	3120	950	122
02115P70037A02	3x2	2x7	1x8	2,01	51,1	2601	3870	1500	159
02115P70037A01	3x1	2x6	1x8	2,12	53,8	2970	4420	1900	184
02115P70037A1C	3x1/0	2x5	1x8	2,2	55,9	3320	4940	2400	211
02115P70037A2C	3x2/0	2x4	1x8	2,36	60	3958	5890	3000	243
02115P70037A3C	3x3/0	2x3	1x8	2,5	63,5	4543	6760	3800	279
02115P70037A4C	3x4/0	2x2	1x8	2,62	66,5	5275	7850	4800	321
02115P70037A5C	3x250 MCM	2x1	1x8	2,79	70,9	6115	9100	5800	355
02115P70037A7C	3x350 MCM	2x1/0	1x8	3,07	78	7809	11620	7900	435
02115P70037AAC	3x500 MCM	2x3/0	1x8	3,4	86,4	9939	14790	11400	539

# CABLE REELS

## FLEXIDRUM® MEDIUM SHD GC

From 2 Kv up to 25 Kv, acc. to ICEA S-75-381 or CSA C22.2 No. 96-17



15 kV, CSA C22.2 NO. 96-17

Part no.	POWER AWG no.*)	GROUND AWG no.*)	MONITORING AWG no.*)	Outer-Ø inches/mm ± 10%		Weight approx. Lbs/Mft - kg/km		Maximum tensile load N	*Current carrying capacity A
02115T70037A02	3x2	2x7	1x8	2,32	58,9	3219	4790	1500	159
02115T70037A01	3x1	2x6	1x8	2,43	61,6	3911	5820	1900	184
02115T70037A1C	3x1/0	2x5	1x8	2,54	64,5	4072	6060	2400	211
02115T70037A2C	3x2/0	2x4	1x8	2,62	66,5	4549	6770	3000	243
02115T70037A3C	3x3/0	2x3	1x8	2,76	70,2	5309	7900	3800	279
02115T70037A4C	3x4/0	2x2	1x8	2,91	74	6014	8950	4800	321
02115T70037A5C	3x250 MCM	2x1	1x8	3,08	78,3	6774	10080	5800	355
02115T70037A7C	3x350 MCM	2x1/0	1x8	3,3	83,7	8299	12350	7900	435

25 kV, CSA C22.2 NO. 96-17

Part no.	POWER AWG no.*)	GROUND AWG no.*)	MONITORING AWG no.*)	Outer-Ø inches/mm ± 10%		Weight approx. Lbs/Mft - kg/km		Maximum tensile load N	*Current carrying capacity A
02115W70037A01	3x1	2x6	1x8	2,83	71,9	4644	6910	1900	184
02115W70037A1C	3x1/0	2x5	1x8	2,91	73,8	5000	7440	2400	211
02115W70037A2C	3x2/0	2x4	1x8	3,05	77,5	5712	8500	3000	243
02115W70037A3C	3x3/0	2x3	1x8	3,54	90	6303	9380	3800	279
02115W70037A4C	3x4/0	2x2	1x8	3,36	85,3	7278	10830	4800	321
02115W70037A5C	3x250 MCM	2x1	1x8	3,43	87	7956	11840	5800	355
02115W70037A7C	3x350 MCM	2x1/0	1x8	3,67	93,3	9704	14440	7900	435

Other dimensions and colors available on request.