



FLEXIDRUM® MEDIUM SHD GC

From 2 Kv up to 15 Kv



ELETTROTEK KABEL® FLEXIDRUM® MEDIUM SHD GC

Construction:

Power conductor:	flexible tinned copper conductor, acc. to ASTM B-172
Inner semi-conductive layer:	semi-conducting compound
Insulation:	rubber EPR compound
Power screen:	tinned copper braid with overall colored nylon and semi-conducting compound (non-conducting for 2 and 5 kV)
Outer semi-conductive layer:	semi-conducting compound
Earth conductors:	two finely stranded tinned copper acc. to ASTM B-172 uninsulated
Monitoring conductor:	finely stranded tinned copper acc. to ASTM B-172
Monitoring insulation:	PP compound
Cores color:	Power: natural color with Polyamide braid black, white, red acc. to ICEA S-75-381 Monitoring: yellow semi-conducting compound acc. to ICEA S-75-381 Tab. 3-22
Outer sheath:	black (similar to RAL 9005), rubber CPE compound

Features:

others colour on request
mechanical and water protection
MSHA, CSA and other approvals on request
two Earth conductors are used giving a total cross sectional area equal to at least 60% of the power conductor

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

RoHS approval



Technical data:

Nominal voltage:	2 kV up to 15 kV
Temperature range:	
<i>Flexible installation:</i>	-50°C up to +90°C
Min. bending radius:	8 x D

Applications:

FLEXIDRUM® MEDIUM cables are designed to provide safe, reliable performance on cable reelers and festoons at temperatures from -50°C to +50°C at speed up to 750 feet/minute. These cables are designed for use on gantry cranes, stacker/reclaimers and other equipment.

CABLE REELS

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2 kV		POWER	GROUND/MONITORING			
Part no.	AWG no.*)		AWG no.*) Kcmil	Nominal outside diameter (In) ± 10%	Weight approx. lbs. x 1000 ft	Maximum tensile load (lbs)
02110170037A06	6		10/10	1,29	1160	-
02110170037A04	4		8/10	1,4	1490	293
02110170037A02	2		6/10	1,59	2000	466
02110170037A01	1		5/8	1,76	2450	587
02110170037A1C	1/0		4/8	1,86	2840	741
02110170037A2C	2/0		3/8	2	3400	934
02110170037A3C	3/0		2/8	2,13	3680	1178
02110170037A4C	4/0		1/8	2,31	4860	1178
02110170037A5C	250 MCM		1/0 - 6	2,51	5950	1178
02110170037A7C	350 MCM		2/0 - 6	2,81	7400	1178
02110170037AAC	500 MCM		3/0 - 6	3,19	10100	1178

5 kV		POWER	GROUND/MONITORING			
Part no.	AWG no.*)		AWG no.*) Kcmil	Nominal outside diameter (In) ± 10%	Weight approx. lbs. x 1000 ft	Maximum tensile load (lbs)
02110270037A06	6		10/8	1,56	1565	-
02110270037A04	4		8/8	1,7	1920	293
02110270037A02	2		6/8	1,9	2500	466
02110270037A01	1		5/8	1,95	2860	587
02110270037A1C	1/0		4/8	2	3390	741
02110270037A2C	2/0		3/8	2,2	3830	934
02110270037A3C	3/0		2/8	2,35	4418	1178
02110270037A4C	4/0		1/8	2,5	5300	1178
02110270037A5C	250 MCM		1/0 - 6	2,7	6450	1178
02110270037A7C	350 MCM		2/0 - 6	2,95	7880	1178
02110270037AAC	500 MCM		3/0 - 6	3,3	10440	1178

8 kV		POWER	GROUND/MONITORING			
Part no.	AWG no.*)		AWG no.*) Kcmil	Nominal outside diameter (In) ± 10%	Weight approx. lbs. x 1000 ft	Maximum tensile load (lbs)
02110P70037A04	4		8/8	2	2200	293
02110P70037A02	2		6/8	2,2	2850	466
02110P70037A01	1		5/8	2,3	3370	587
02110P70037A1C	1/0		4/8	2,4	3600	741
02110P70037A2C	2/0		3/8	2,5	4200	934
02110P70037A3C	3/0		2/8	2,7	5100	1178
02110P70037A4C	4/0		1/8	2,6	5680	1178
02110P70037A5C	250 MCM		1/0 - 6	2,9	6750	1178
02110P70037A7C	350 MCM		2/0 - 6	3,3	8480	1178
02110P70037AAC	500 MCM		3/0 - 6	3,6	10720	1178

15 kV		POWER	GROUND/MONITORING			
Part no.	AWG no.*)		AWG no.*) Kcmil	Nominal outside diameter (In) ± 10%	Weight approx. lbs. x 1000 ft	Maximum tensile load (lbs)
02110T70037A02	2		6/8	2,5	3520	466
02110T70037A01	1		5/8	2,6	4100	587
02110T70037A1C	1/0		4/8	2,7	4630	741
02110T70037A2C	2/0		3/8	2,9	4900	934
02110T70037A3C	3/0		2/8	3	5600	1178
02110T70037A4C	4/0		1/8	3,1	6830	1178
02110T70037AAC	500		4/0 - 6	3,72	11590	2563

Other dimensions and colors available on request.