

CCI RU 0.6/1 KV

FLAME RETARDANT, UNARMoured. 0.6/1 KV, P111.

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CONSTRUCTION:

CONDUCTOR:	TINNED ANNEALED COPPER FLEXIBLE CLASS 2 OR CLASS 5 IEC 60228
INSULATION:	EPR HF COMPOUND IEC 60092-360
COLOUR CORES:	ACCORDING TO HD 308 S2 AND IEC 60445 1 CORE WHITE OR BLACK 2 CORES BLUE BROWN 3 CORES BROWN BLACK GREY 4 CORES BLUE BROWN BLACK GREY MULTICORES WHITE NUMBERED
BEDDING AND FILLERS:	FLAMEBAR® FIBERGLASS TAPE + FIBRE- GLASS FILLERS (EXTRUDED)
OUTER SHEATH:	SHF2 H-M COMPOUND NEK 606 BLACK

RESISTANCE:

	FLAME RETARDANCY IEC 60332-1-2 IEC 60332-3-22 CAT A
	HALOGEN CONTENT & CORROSIVITY IEC 60754-1 & 2 IEC 60684-2
	SMOKE DENSITY IEC 61034-1 & 2
	UV RESISTANCE UL 1581 & 1200
	OZONE RESISTANCE IEC 60092-360
	MINERAL / HYDRAULIC OILS & MUDS RESIST. NEK 606
	IMPACT & COLD RESISTANCE CSA C 22.2 N° 0.3-09 & N° 38-18

TECHNICAL DATA:

NOMINAL VOLTAGE:	0,6/1 KV
MAX OPERATING VOLTAGE U MAX:	1,2KV
TEMPERATURE RANGE	90 °C ACCORDING TO IEC 60092-360
MIN. BENDING RADIUS:	4XØ (OVERALL DIAMETER)

EK Part No.	No. Of Cores	Conductor Size (mm²)	Overall Diameter Ø (mm)	Cable Weight (Kgs/Km)	Conductor Resistance @20°C (Ω/Km)	Current Carrying Capacity (1) (Amps)	Current Carrying Capacity (2) (Amps)	Conductor Short Circuit Rating (250° for 1 second) (kA)
15020G7L010M61	1	10	9,7	185	1,84	72	NOT LISTED	1,43
15020G7L010M62	1	16	9,9	225	1,16	96	NOT LISTED	2,29
15020G7L010M63	1	25	12,2	355	0,734	127	117	3,58
15020G7L010M64	1	35	13,5	480	0,529	157	147	5,01
15020G7L010M65	1	50	14,8	605	0,391	196	180	7,15
15020G7L010M66	1	70	16,6	840	0,27	242	233	10,0
15020G7L010M67	1	95	18,9	1115	0,195	293	285	13,6
15020G7L010M68	1	120	20,6	1390	0,154	339	333	17,2
15020G7L010M69	1	150	22,4	1670	0,126	389	386	21,5
15020G7L010M70	1	185	25,0	2125	0,1	444	444	26,5
15020G7L010M71	1	240	28,1	2735	0,0762	522	528	34,3
15020G7L010M72	1	300	31,7	3300	0,0607	601	612	42,9
15020G73020M15	2	1,5	10,9	135	12,2	20	23	0,21
15020G73020M25	2	2,5	11,2	160	7,56	26	31	0,36
15020G73020M40	2	4	12,7	205	4,7	34	43	0,57

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EK Part No.	No. Of Cores	Conductor Size (mm ²)	Overall Diameter Ø (mm)	Cable Weight (Kgs/Km)	Conductor Resistance @20°C (Ω/Km)	Current Carrying Capacity (1) (Amps)	Current Carrying Capacity (2) (Amps)	Conductor Short Circuit Rating (250° for 1 second) (kA)
15020G73020M60	2	6	14,0	270	3,11	44	55	0,86
15020G73020M61	2	10	15,7	355	1,84	61	75	1,43
15020G73020M62	2	16	18,1	500	1,16	82	100	2,29
15020G73030M15	3	1,5	11,0	165	12,2	16	20	0,21
15020G73030M25	3	2,5	11,9	205	7,56	21	28	0,36
15020G73030M40	3	4	13,6	270	4,7	28	37	0,57
15020G73030M60	3	6	14,9	360	3,11	36	47	0,86
15020G73030M61	3	10	16,8	480	1,84	50	65	1,43
15020G73030M62	3	16	19,4	685	1,16	67	87	2,29
15020G73030M63	3	25	23,1	1040	0,734	89	110	3,58
15020G73030M64	3	35	25,9	1420	0,529	110	137	5,01
15020G73030M65	3	50	29,1	1840	0,391	137	167	7,15
15020G73030M66	3	70	33,0	2560	0,27	169	214	10,0
15020G73030M67	3	95	37,9	3425	0,195	205	259	13,6
15020G73030M68	3	120	41,2	4290	0,154	237	301	17,2
15020G73030M69	3	150	45,0	5105	0,126	272	347	21,5
15020G73030M70	3	185	50,7	6515	0,1	311	397	26,5
15020G73030M71	3	240	27,4	8420	0,0762	365	468	34,3
15020G73030M72	3	300	65,3	10225	0,0607	421	540	42,9
15020G73040M15	4	1,5	11,9	200	12,2	16	20	0,21
15020G73040M25	4	2,5	12,9	250	7,56	21	28	0,36
15020G73040M40	4	4	14,8	335	4,7	28	37	0,57
15020G73040M60	4	6	16,2	455	3,11	36	47	0,86
15020G73040M61	4	10	18,4	615	1,84	50	65	1,43
15020G73040M62	4	16	21,2	885	1,16	67	87	2,29
15020G73040M63	4	25	25,3	1340	0,734	89	110	3,58
15020G73040M64	4	35	28,4	1835	0,529	110	137	5,01
15020G73040M65	4	50	31,9	2380	0,391	137	167	7,15
15020G73040M66	4	70	36,2	3320	0,27	169	214	10,0
15020G73040M67	4	95	41,7	4450	0,195	205	259	13,6
15020G73040M68	4	120	45,8	5570	0,154	237	301	17,2
15020G73040M69	4	150	49,6	6645	0,126	272	347	21,5
15020G73040M70	4	185	56,2	8550	0,1	311	397	26,5
15020G73040M71	4	240	63,4	11020	0,0762	365	468	34,3
15020G73050M15	5	1,5	12,9	245	12,2	13	NOT LISTED	0,21
15020G73050M25	5	2,5	14,1	310	7,56	23	NOT LISTED	0,36
15020G73050M40	5	4	16,4	425	4,7	29	NOT LISTED	0,57
15020G73050M60	5	6	17,8	565	3,11	30	NOT LISTED	0,86
15020G73050M61	5	10	20,2	760	1,84	42	NOT LISTED	1,43
15020G73050M62	5	16	23,3	1095	1,16	56	NOT LISTED	2,29
15020G73050M63	5	25	28,3	1680	0,734	74	NOT LISTED	3,58
15020G7C070M15	7	1,5	14,0	300	12,2	12	NOT LISTED	0,21
15020G7C070M25	7	2,5	15,3	385	7,56	20	NOT LISTED	0,36
15020G7C120M15	12	1,5	18,6	495	12,2	10	NOT LISTED	0,21
15020G7C120M25	12	2,5	20,3	640	7,56	17	NOT LISTED	0,36
15020G7C190M15	19	1,5	21,8	725	12,2	9	NOT LISTED	0,21
15020G7C190M25	19	2,5	23,9	950	7,56	15	NOT LISTED	0,36

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EK Part No.	No. Of Cores	Conductor Size (mm²)	Overall Diameter Ø (mm)	Cable Weight (Kgs/Km)	Conductor Resistance @20°C (Ω/Km)	Current Carrying Capacity (1) (Amps)	Current Carrying Capacity (2) (Amps)	Conductor Short Circuit Rating (250° for 1 second) (kA)
15020G7C270M15	27	1,5	26,4	1020	12,2	8	NOT LISTED	0,21
15020G7C270M25	27	2,5	29,0	1340	7,56	13	NOT LISTED	0,36
15020G7C370M15	37	1,5	29,8	1360	12,2	7	NOT LISTED	0,21
15020G7C370M25	37	2,5	32,8	1795	7,56	12	NOT LISTED	0,36
15020G72031M15	3G	1,5	11,0	165	12,2	20	23	0,21
15020G72031M25	3G	2,5	11,9	205	7,56	26	31	0,36
15020G72031M40	3G	4	13,6	270	4,7	34	43	0,57
15020G72031M60	3G	6	14,9	360	3,11	44	55	0,86
15020G72031M61	3G	10	16,8	480	1,84	61	75	1,43
15020G72031M62	3G	16	19,4	685	1,16	82	100	2,29
15020G72031M63	3G	25	23,1	1040	0,734	108	130	3,58
15020G72031M64	3G	35	25,9	1420	0,529	133	161	5,01
15020G72031M65	3G	50	29,1	1840	0,391	167	196	7,15
15020G72031M66	3G	70	33,0	2560	0,27	206	251	10,0
15020G72031M67	3G	95	37,9	3425	0,195	249	306	13,6
15020G72031M68	3G	120	41,2	4290	0,154	288	357	17,2
15020G72031M69	3G	150	45,0	5105	0,126	331	412	21,5
15020G72031M70	3G	185	50,7	6515	0,1	377	472	26,5
15020G72031M71	3G	240	27,4	8420	0,0762	444	558	34,3
15020G72031M72	3G	300	65,3	10225	0,0607	511	645	42,9
15020G72041M15	4G	1,5	11,9	200	12,2	16	20	0,21
15020G72041M25	4G	2,5	12,9	250	7,56	21	28	0,36
15020G72041M40	4G	4	14,8	335	4,7	28	37	0,57
15020G72041M60	4G	6	16,2	455	3,11	36	47	0,86
15020G72041M61	4G	10	18,4	615	1,84	50	65	1,43
15020G72041M62	4G	16	21,2	885	1,16	67	87	2,29
15020G72041M63	4G	25	25,3	1340	0,734	89	110	3,58
15020G72041M64	4G	35	28,4	1835	0,529	110	137	5,01
15020G72041M65	4G	50	31,9	2380	0,391	137	167	7,15
15020G72041M66	4G	70	36,2	3320	0,27	169	214	10,0
15020G72041M67	4G	95	41,7	4450	0,195	205	259	13,6
15020G72041M68	4G	120	45,8	5570	0,154	237	301	17,2
15020G72041M69	4G	150	49,6	6645	0,126	272	347	21,5
15020G72041M70	4G	185	56,2	8550	0,1	311	397	26,5
15020G72041M71	4G	240	63,4	11020	0,0762	365	468	34,3
15020G72051M15	5G	1,5	12,9	245	12,2	16	20	0,21
15020G72051M25	5G	2,5	14,1	310	7,56	21	28	0,36
15020G72051M40	5G	4	16,4	425	4,7	28	37	0,57
15020G72051M60	5G	6	17,8	565	3,11	36	47	0,86
15020G72051M61	5G	10	20,2	760	1,84	50	65	1,43
15020G72051M62	5G	16	23,3	1095	1,16	67	87	2,29
15020G72051M63	5G	25	28,3	1680	0,734	89	110	3,58

NOTE(S)

- ALL DIMENSIONS ARE SUBJECT TO A PRODUCTION TOLERANCE OF +/-10%.
- CURRENT CARRYING CAPACITY (1) IS TAKEN FROM IEC 60092-352, TABLE B.4, (90°C CONDUCTOR OPERATING AND 45°C AMBIENT TEMPERATURES)
- CURRENT CARRYING CAPACITY (2) IS TAKEN FROM IEC 60092-352, TABLE A.4, (90°C CONDUCTOR OPERATING AND 45°C AMBIENT TEMPERATURES).
- CABLES INCLUDING AN EARTH WIRE ARE DENOTED WITH A G, AND FOR CURRENT RATINGS, ASSUMPTIONS ARE MADE REGARDING THE NUMBER OF 'LOADED' CORES.
- CABLES WITH 5 OR MORE CORES ARE CALCULATED USING THE FORMULA WHERE THE CURRENT CARRYING CAPACITY EQUALS THE CURRENT CAPACITY FOR A SINGLE CORE.