

CCI RFOU 8.7/15 KV

FLAME RETARDANT, ARMOURED. 8.7/15 KV, P104.

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CONSTRUCTION:

CONDUCTOR:	TINNED ANNEALED COPPER FLEXIBLE CLASS 2 OR CLASS 5 IEC 60228
SEMICONDUCTOS:	HF EXTRUDED COMPOUND
INSULATION:	HEPR HF COMPOUND IEC 60092-360
COLOUR CORES:	1 CORE OFF-WHITE 3 CORES OFF-WHITE (COLOURED OR NUM- BERED TAPES)
SCREEN:	TINNED COPPER WIRE BRAID
BEDDING AND FILLERS:	FLAMEBAR® FIBERGLASS TAPE + FIBRE- GLASS FILLERS (EXTRUDED)
INNER SHEATH:	SHF2 EXTRUDED COMPOUND IEC 60092.360
ARMOUR:	TINNED COPPER WIRE BRAID
OUTER SHEATH:	SHF2 H-M COMPOUND NEK 606 RED

TECHNICAL DATA:

NOMINAL VOLTAGE:	8,7/15 KV
MAX OPERATING VOLTAGE U MAX:	17,5KV
TEMPERATURE RANGE	90 °C ACCORDING TO IEC 60092-360
MIN. BENDING RADIUS:	4/5Ø DEPENDING ON OVERALL DIAMETER

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 UL1581 & 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

EK Part No.	No. Of Cores	Conductor Size (mm²)	Under Armour Diameter Ø (mm)	Overall Diameter Ø (mm)	Cable Weight (Kgs/Km)	Braid Cross-Section (see Note 2) (mm²)	Conductor Resistance @20°C (Ω/Km)	Current Carrying Capacity (Amps)	Conductor Short Circuit Rating (250° for 1 second) (kA)
16020SRL010M63	1	25	24,6	30,3	1330	10	0,734	117	3,58
16020SR3030M63	3	25	50,4	58,8	4140	35	0,734	105	3,58
16020SRL010M64	1	35	25,7	33,2	1565	10	0,529	145	5,01
16020SR3030M64	3	35	52,7	63,1	4850	35	0,529	130	5,01
16020SRL010M65	1	50	26,6	34,1	1720	10	0,391	179	7,15
16020SR3030M65	3	50	55,1	65,7	5475	35	0,391	159	7,15
16020SRL010M66	1	70	28,2	35,9	2030	10	0,270	231	10,0
16020SR3030M66	3	70	58,5	69,3	6340	35	0,270	203	10,0
16020SRL010M67	1	95	29,9	37,7	2355	10	0,195	283	13,6
16020SR3030M67	3	95	62,8	74,0	7530	35	0,195	246	13,6
16020SRL010M68	1	120	31,4	40,0	2790	16	0,154	331	17,2
16020SR3030M68	3	120	66,0	77,4	8610	35	0,154	286	17,2

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16020SRL010M69	1	150	32,6	41,4	3110	16	0,126	384	21,5
16020SR3030M69	3	150	68,6	80,2	9540	35	0,126	330	21,5
16020SRL010M70	1	185	34,7	43,6	3630	16	0,100	441	26,5
16020SR3030M70	3	185	73,0	85,0	11190	35	0,100	377	26,5
16020SRL010M71	1	240	37,2	46,4	4335	25	0,0762	524	34,3
16020SRL010M72	1	300	40,7	50,1	5100	25	0,0607	608	42,9

NOTE(S)

1.
- ALL DIMENSIONS ARE SUBJECT TO A PRODUCTION TOLERANCE OF +/-10%.
2.
- ALL BRAID CROSS SECTIONS ARE BASED ON THE EQUIVALENT ELCTRICAL CROSS-SECTIONS, AND IN FULL COMPLAINT WITH IEC 60092-350
3.
- CURRENT CARRYING CAPACITY IS CALCULATED FROM IEC 60092-352, (90°C CONDUCTOR OPERATING AND 45°C AMBIENT TEMPERATURES)