

FLEXIBLE LOW- VOLTAGE, HIGH SAFETY CABLES

Non Fire-Propagating.



EXZHELLENT XXI RZ1-K (AS) 0,6/1 kV

ex Zhellent XXI



EXZHELLENT XXI

RZ1-K (AS) 1000V

APPLICATIONS AND MAIN CHARACTERISTICS

1. The EXZHELLENT XXI RZ1-K (AS) cable series is made up of flexible, single and multi-pole 600/1000 V cables. The maximum service temperature of the cable is 90 °C and it is able to work at very low temperatures (-40 °C).
2. As of the 50 mm² cross-section (inclusive), the SECTORFLEX configuration is available with a flexible sectorial conductor that, with the same electrical properties and the same conventional terminals and accessories as the circular cable, provides a smaller cable diameter and weight that significantly increase its ease of handling and installation.
3. The High Safety (HS) cables are Non Flame or Fire-Propagating, offer low opacity of smoke emitted, are halogen-free and provide low acidity and corrosiveness of the gases emitted during combustion.
4. They are essential in general installations requiring a higher degree of safety for people and equipment, such as shopping centres, hospitals and schools, etc.

GENERAL
INSTALLATIONS

PUBLIC PLACES

NON FIRE
PROPAGATING

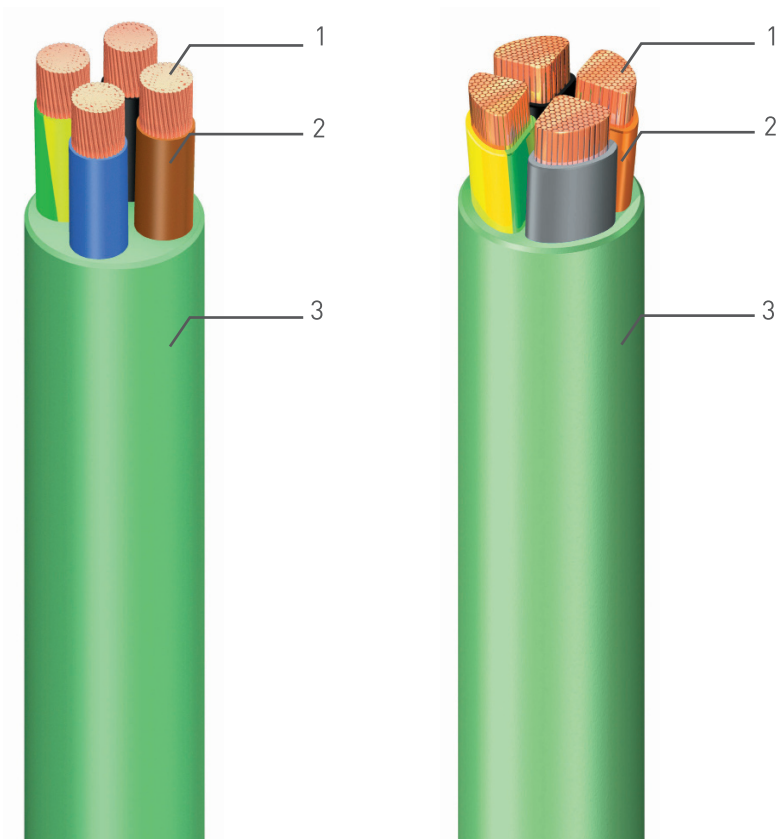
LSOH HALOGEN-FREE

FLEXIBILITY

SECTORFLEX

SAVING ON
INSTALLATION TIME





CONSTRUCTION

RZ1-K

1 Conductor:

Copper, flexible class 5.

2 Insulation:

Cross-linked polyethylene (XLPE).
Halogen-free.

3 Outer sheath:

Halogen-free
thermoplastic polyolefin.

VOLTAGE:

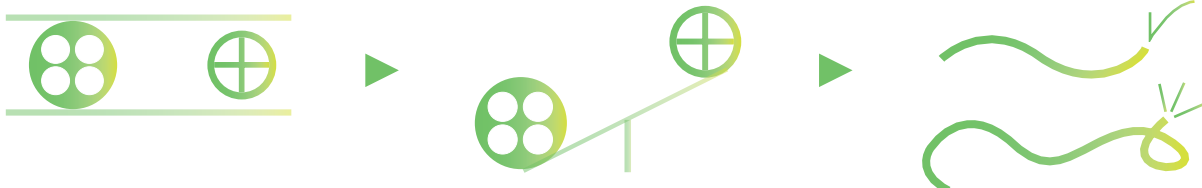
0,6/1 kV

ADVANTAGES OF SECTORFLEX

· Smaller diameter (-10%)

· Lighter weight (-11%)

· Easier to install and lay.



· Use of conventional terminals and accessories.



STANDARDS

UNE 21123-4 / IEC 60502-1	Construction standards and testing.
EN 60332-3-24 / IEC 60332-3-24	Non fire-propagating.
EN 60332-1-2 / IEC 60332-1-2	Non flame-propagating.
EN 50267 / IEC 60754	Low acidity and corrosiveness of gases. Halogen content.
EN 61034-2 / IEC 61034-2	Low opacity of smoke emitted.

STANDARDS:



NON FIRE PRO-
PAGATION
EN 60332-3-24
IEC 60332-3-24



NON FLAME
PROPAGATION
EN 60332-1-2
IEC 60332-1-2



LOW ACIDITY
EN 50267-2-2.3
IEC 60754-2



LOW SMOKE
EMISSION
EN 61034-2
IEC 61034-2



HALOGEN FREE
EN 50267-2-1
IEC 60754-1



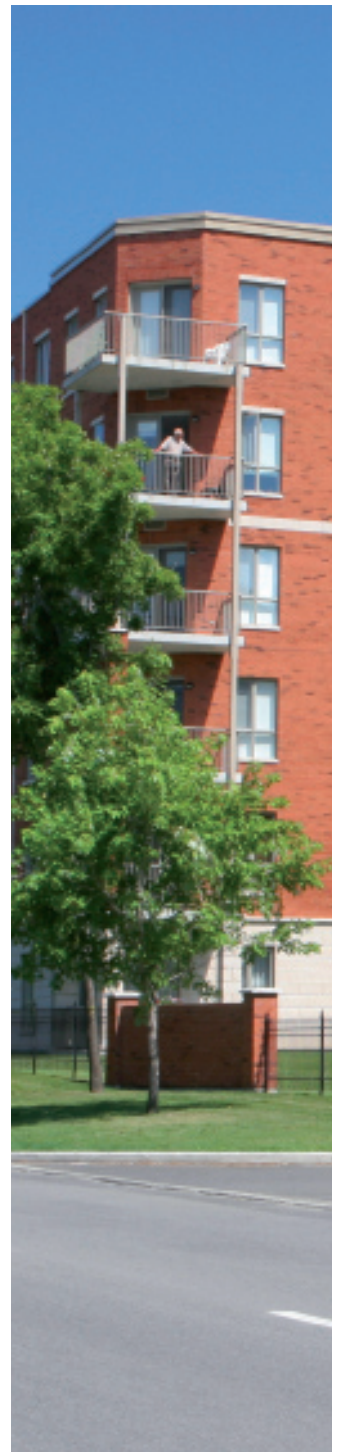
FLEXIBILITY



LOW TEMP.
-40°C



SECTOR SHAPED
CONDUCTOR
SECTORFLEX



**CHARACTERISTICS:**

Code	Composition no. conduct. x (mm ²)	Outer diameter (mm)	Weight (kg/km)	Min. bend radius (mm)	Air current 40 °C (A)	Buried current 25 °C (A)	Voltage drop cos φ=0,8 (V/A.km)	Voltage drop cos φ=1 (V/A.km)
1992110	1x10	8,2	140	35	68	77	3,484	4,218
1992111	1x16	9,2	195	40	91	100	2,240	2,672
1992112	1x25	10,8	285	45	116	128	1,476	1,723
1992113	1x35	11,9	380	50	144	154	1,073	1,224
1992114	1x50	13,5	520	55	175	183	0,773	0,852
1992115	1x70	15,6	715	65	224	224	0,568	0,601
1992116	1x95	17,4	925	70	271	265	0,449	0,455
1992117	1x120	19,4	1.170	80	314	302	0,368	0,356
1992118	1x150	21,4	1.445	90	363	342	0,311	0,285
1992119	1x185	23,3	1.745	95	415	383	0,270	0,234
1992120	1x240	26,6	2.300	135	490	442	0,223	0,177
1992121	1x300	30,2	2.895	155	563	500	0,193	0,142
1992122	1x400	34,8	3.935	175	674	570	0,164	0,107
1992123	1x500	39,5	5.050	200	774	660	0,146	0,085
1992124	1x630	43,7	6.575	220	890	735	0,128	0,063

1992206	2x1,5	8,6	100	35	24	27	23,61	29,37
1992207	2x2,5	9,4	130	40	33	36	14,20	17,62
1992208	2x4	10,5	170	45	45	46	8,839	10,93
1992209	2x6	11,6	220	50	57	58	5,919	7,288
1992210	2x10	13,5	330	55	79	77	3,458	4,218
1992211	2x16	15,5	465	65	105	100	2,218	2,672
1992212	2x25	18,8	700	75	123	128	1,458	1,723
1992213	2x35	21,8	980	90	154	154	1,057	1,224
1998214	2x50	21,3	1.150	85	188	183	0,759	0,852
1998215	2x70	24,7	1.590	100	244	224	0,556	0,601
1998216	2x95	27,7	2.060	140	296	265	0,438	0,455
1998217	2x120	31,3	2.620	160	348	302	0,358	0,356
1998218	2x150	34,5	3.230	175	404	342	0,302	0,285
1998219	2x185	37,8	3.920	190	464	383	0,262	0,234
1998220	2x240	43,3	5.180	220	552	442	0,215	0,177

CHARACTERISTICS:

Code	Composition no. conduct. x (mm ²)	Outer diameter (mm)	Weight (kg/km)	Min. bend radius (mm)	Air current 40 °C (A)	Buried current 25 °C (A)	Voltage drop cos _φ =0.8 (V/A.km)	Voltage drop cos _φ =1 (V/A.km)
1992306	3x1,5	9,0	115	40	20	23	23,61	29,37
1992307	3x2,5	9,9	155	40	26	30	14,199	17,62
1992308	3x4	11,1	205	45	36	38	8,839	10,932
1992309	3x6	12,3	275	50	46	48	5,919	7,288
1992310	3x10	14,3	415	60	65	64	3,458	4,218
1992311	3x16	16,5	600	70	87	82	2,218	2,672
1992312	3x25	20,0	905	80	110	106	1,458	1,723
1992313	3x35	23,3	1.265	95	137	129	1,057	1,224
1998314	3x50	24,9	1.550	100	167	152	0,759	0,852
1998315	3x70	29,2	2.160	150	214	187	0,556	0,601
1998316	3x95	32,5	2.790	165	259	222	0,438	0,455
1998317	3x120	36,7	3.545	185	301	253	0,358	0,356
1998318	3x150	40,6	4.395	205	353	286	0,302	0,285
1998319	3x185	44,3	5.315	225	391	320	0,262	0,234
1998320	3x240	50,8	7.020	305	468	370	0,215	0,177

1992406	4x1,5	9,9	140	40	20	23	23,61	29,37
1992407	4x2,5	10,9	185	45	26	30	14,199	17,62
1992408	4x4	12,2	255	50	36	38	8,839	10,932
1992409	4x6	13,5	340	55	46	48	5,919	7,288
1992410	4x10	15,8	525	65	65	64	3,458	4,218
1992411	4x16	18,3	760	75	87	82	2,218	2,672
1992412	4x25	22,4	1.150	90	110	106	1,458	1,723
1992413	4x35	25,6	1.595	130	137	129	1,057	1,224
1998414	4x50	27,5	2.065	140	167	152	0,759	0,852
1998415	4x70	32,3	2.885	165	214	187	0,556	0,601
1998416	4x95	35,9	3.735	180	259	222	0,438	0,455
1998417	4x120	40,7	4.765	205	301	253	0,358	0,356
1998418	4x150	44,9	5.890	225	353	286	0,302	0,285
1998419	4x185	49,4	7.180	250	391	320	0,262	0,234
1998420	4x240	56,6	9.480	340	468	370	0,215	0,177

CHARACTERISTICS:

Code	Composition no. conduct. x (mm ²)	Outer diameter (mm)	Weight (kg/km)	Min. bend radius (mm)	Air current 40 °C (A)	Buried current 25 °C (A)	Voltage drop cos φ=0,8 (V/A.km)	Voltage drop cos φ=1 (V/A.km)
1992506	5x1,5	10,8	170	45	20	23	23,61	29,37
1992507	5x2,5	11,9	225	50	26	30	14,199	17,62
1992508	5x4	13,4	315	55	36	38	8,839	10,932
1992509	5x6	14,9	420	60	46	48	5,919	7,288
1992510	5x10	17,5	645	70	65	64	3,458	4,218
1992511	5x16	20,2	930	85	87	82	2,218	2,672
1992512	5x25	24,8	1.410	100	110	106	1,458	1,723
1992513	5x35	28,4	1.950	145	137	129	1,057	1,224
1992514	5x50	33,1	2.735	170	167	152	0,759	0,852
1992515	5x70	39,0	3.870	195	214	187	0,556	0,601
1992516	5x95	43,4	4.985	220	259	222	0,438	0,455
1992517	5x120	49,4	6.350	250	301	253	0,358	0,356
1992518	5x150	54,7	7.975	330	353	286	0,302	0,285
1992519	5x185	60,3	9.755	365	391	320	0,262	0,234
1992520	5x240	69,1	12.835	415	468	370	0,215	0,177



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