

# ENERGY® RV

RV (SI1516-1 N2XY)  
XLPE / PVC



## APPLICATIONS:

Power distribution systems in utilities and industrial installations, indoor & outdoor, in air, in conduit or directly buried.

Maximum rating temperature: 90 °C  
Minimum working temperature: -15 °C

## CONSTRUCTION:

SI1516-1 & IEC 60502-1



### 1. CONDUCTOR:

Class 1 solid (up to 6 mm<sup>2</sup>) and class 2 stranded (from 10 mm<sup>2</sup> and up) copper conductor to IEC 60228.

### 2. INSULATION:

Cross-linked polyethylene [R], type XLPE to IEC 60502-1. Identification by colour.

### 3. SHEATH:

Polyvinyl chloride -PVC- [V], type ST2 to IEC 60502-1.

## APPROVALS:



## RATED VOLTAGE:

0,6/1 kV

## PERFORMANCE STANDARDS:



FLAME RETARDANT  
IEC 60332-1-2

## PHYSICAL AND ELECTRICAL CHARACTERISTICS:

General Cable Code	Cross section (mm <sup>2</sup> )	Nominal overall diameter (mm)	Nominal weight (kg/km)	Minimum bending radius (mm)	Maximum current rating Free Air-trefoil 40°C *	Maximum current rating Buried 25°C ** (A)	Voltage drop cos phi= 0,8 (V/A-km)	Inductance (mH/km)
1682110	1x10	8,0	145	35	84	70	3,35	0,353
1682111	1x16	8,9	200	35	113	91	2,14	0,332
1682112	1x25	10,4	300	45	123	97	1,39	0,320
1682113	1x35	11,4	390	50	154	117	1,03	0,306
1682114	1x50	12,7	515	55	188	138	0,781	0,298
1682115	1x70	14,5	720	60	244	171	0,566	0,282
1682116	1x95	16,5	980	70	298	203	0,429	0,270
1682117	1x120	18,1	1.210	75	348	230	0,357	0,264
1682118	1x150	20,0	1.490	80	401	260	0,305	0,264
1682119	1x185	22,1	1.850	90	460	292	0,260	0,260
1682120	1x240	24,7	2.390	100	545	337	0,217	0,255
1682121	1x300	27,5	3.015	140	-	380	0,188	0,251
1682122	1x400	30,8	3.820	155	-	-	0,164	0,249

1682306	3x1,5	9,6	140	75	24	26	21,5	0,372
1682307	3x2,5	10,4	180	80	33	33	13,2	0,349
1682308	3x4	11,4	235	85	45	42	8,25	0,328
1682309	3x6	12,4	305	95	57	54	5,54	0,313
1682310	3x10	14,7	465	60	78	70	3,32	0,272
1682311	3x16	17,5	715	70	105	91	2,12	0,260
1682012	3x25/16	23,0	1.295	175	116	97	1,37	0,262
1682013	3x35/16	23,5	1.515	95	144	117	1,01	0,255
1682014	3x50/25	26,9	2.035	135	175	138	0,766	0,253
1682015	3x70/35	31,0	2.835	155	224	171	0,553	0,244
1682016	3x95/50	35,5	3.855	180	271	203	0,417	0,234
1682017	3x120/70	39,7	4.910	200	315	230	0,346	0,233
1682018	3x150/70	43,0	5.805	215	359	260	0,295	0,234
1682019	3x185/95	48,3	7.360	245	410	292	0,251	0,233
1682020	3x240/120	54,0	9.460	325	490	337	0,208	0,230

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1682406	4x1,5	10,3	165	80	21	21	21,5	0,372
1682407	4x2,5	11,2	210	85	28	28	13,2	0,349
1682408	4x4	12,3	285	95	38	36	8,25	0,328
1682409	4x6	13,5	375	105	49	44	5,54	0,313
1682410	4x10	16,1	570	65	68	59	3,32	0,272
1682411	4x16	19,1	880	80	91	76	2,12	0,260
1682412	4x25	22,7	1.315	95	116	97	1,37	0,262
1682413	4x35	26,2	1.830	200	144	117	1,01	0,255
1682414	4x50	29,8	2.420	225	175	138	0,766	0,251
1682415	4x70	34,6	3.390	260	224	171	0,553	0,244
1682416	4x95	38,8	4.485	295	271	203	0,418	0,235
1682417	4x120	43,7	5.670	330	315	230	0,346	0,233
1682418	4x150	48,0	6.900	360	359	260	0,295	0,234
1682419	4x185	53,3	8.595	400	410	292	0,251	0,234
1682420	4x240	61,1	11.285	460	490	337	0,208	0,230

1682506	5G1,5	11,1	195	85	21	21	21,5	0,372
1682507	5G2,5	12,1	250	95	28	28	13,2	0,349
1682508	5G4	13,4	340	100	38	36	8,25	0,328
1682509	5G6	14,7	450	110	49	44	5,54	0,313
1682510	5G10	17,6	700	70	68	59	3,32	0,272
1682511	5G16	20,9	1.080	85	91	76	2,12	0,260
1682512	5G25	24,9	1.625	100	116	97	1,37	0,262

\* Current ratings according to IEC 60364-5-52 table B.52-1, method of installation F, two loaded conductors up to 16 mm<sup>2</sup> and three loaded conductors over 16 mm<sup>2</sup> for single-core cables and method of installation E for multicore cables.

\*\* Current ratings according to IEC 60364-5-52 table B.52-2

Codes for cables in coils start with 1680.

codes for cables in plywood drums start with 1681.

למידע נוסף



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