

# ENERGY<sup>®</sup> RV AI

RV AI (SI1516-1 NA2XY)  
XLPE/PVC

כבלי אלומיניום



RV AI  
(SI1516-1 NA2XY)



## 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 & HD 603-5N

### 1. CONDUCTOR:

Class 2 stranded aluminium conductor to IEC 60228.

### 2. INSULATION:

Cross-linked polyethylene -XLPE- [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)
1689114	1x50	12,7	225	55	140	108	1,236	0,298
1689115	1x70	14,5	300	60	180	132	0,879	0,282
1689116	1x95	16,4	400	70	219	157	0,657	0,270
1689117	1x120	18,3	490	75	255	179	0,536	0,266
1689118	1x150	20,1	595	80	295	202	0,452	0,265
1689119	1x185	22,0	730	90	338	227	0,376	0,260
1689120	1x240	25,0	925	100	399	261	0,306	0,256
1689121	1x300	27,5	1.130	140	-	296	0,260	0,252
1689122	1x400	30,8	1.455	155	-	-	0,219	0,249
1689123	1x500	35,5	1.825	180	-	-	0,187	0,244
1689012	3x25/16	23,2	745	174	92	75	2,220	0,261
1689013	3x35/16	24,7	870	185	115	90	1,630	0,255
1689014	3x50/25	27,9	1.110	209	140	108	1,220	0,248
1689015	3x70/35	30,7	1.345	155	180	132	0,867	0,244
1689016	3x95/50	36,8	1.975	276	219	157	0,645	0,236
1689017	3x120/70	41,2	2.465	309	255	179	0,526	0,232
1689018	3x150/70	44,9	2.945	337	295	202	0,442	0,232
1689019	3x185/95	49,5	3.610	371	338	227	0,367	0,232
1689020	3x240/120	54,1	4.205	325	399	261	0,297	0,231
1689412	4x25	24,2	795	181	92	75	2,220	0,261
1689414	4x50	29,8	1.255	224	140	108	1,220	0,251
1689415	4x70	35,0	1.735	263	180	132	0,867	0,245
1689416	4x95	38,8	2.200	291	219	157	0,645	0,236
1689417	4x120	42,2	2.555	215	255	179	0,526	0,235
1689418	4x150	48,1	3.355	361	295	202	0,442	0,232
1689419	4x185	53,5	4.170	402	338	227	0,368	0,232
1689420	4x240	58,5	4.960	355	399	261	0,297	0,231

\* Current ratings according to IEC 60364-5-52 table B.52-1, method of installation E, three loaded conductors for multicore cables and method of installation F, three loaded conductors for single core cables.

\*\* Current ratings according to IEC 60364-5-52 table B.52-2, , three loaded conductors.

למידע נוסף



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