

ALUKAFLEX ECO – A GROUND-BREAKING NEW PRODUCT RANGE OF CABLES FOR FIXED INSTALLATION

DanCables presents Alukaflex ECO - a new generation of fixed installation cables. The ECO product series is introduced in an aluminum RZ1-AK 1kV variant to compete with the traditional copper cable. The range is available in 1-, 4- and 5-conductor cables with dimensions up to 500 mm². The cables can be used for fixed installation indoors and outdoors as well as in the ground. They are especially suitable in places where a more flexible cable is needed, as the Alukaflex ECO has a flexible conductor. The cable can also be used where there is a requirement for high fire safety such as data centers, hospitals, and other public buildings.

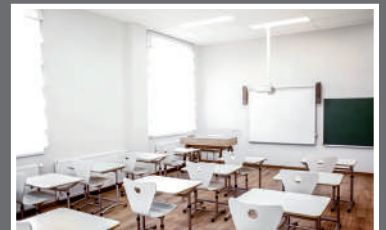
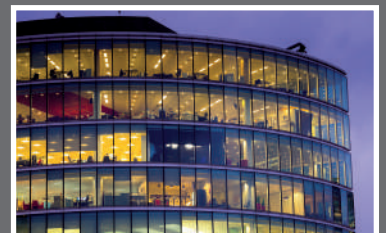
Alukaflex ECO offers clear advantages over installation cables with a flexible copper conductor, as the product has a significantly lower price. The Alukaflex ECO aluminum cable also provides a significant weight reduction.

YOUR BENEFITS:

- ✓ Higher flexibility compared to standard Class 1 and Class 2 installation cables
- ✓ Lower price than matching copper cable
- ✓ Weight reduction of up to 48% compared to copper cables
- ✓ Flexible and easier to install
- ✓ Proven connection technology with full program of cable lugs and pressing tools
- ✓ Can be dimensioned in PCSCHEMATIC
- ✓ Material properties
 - LSZH Low smoke zero halogen
 - Outer sheath of halogen-free polyolefin (light gray)
 - UV resistant
 - Conductor temperature of max. 90 ° C
 - CPR fire class: Dca

Learn more at www.dancables.com

TYPICAL APPLICATION AREAS



Ordinary industrial buildings where a more flexible cable is needed. Other installations where you need a higher fire class. Examples could be: Data centers, office buildings, residential buildings, hospitals, schools, and other public buildings.

TECHNICAL SPECIFICATIONS: COMPARISON WITH AT LEAST THE SAME AMPERAGE (2 CROSS SECTIONS UP)

Copper Cable RZ1-K	Alukaflex ECO LSZH
1x120 mm ²	1x185 mm ²
1x240 mm ²	1x400 mm ²
4x240 mm ²	4x400 mm ²
5G70 mm ²	5G120 mm ²

Copper Cable RZ1-K			VS	Alukaflex ECO Aluminum cable					
Dimensions x mm ²	Amps	Cable weight		Dimensions x mm ²	Amps	Cable weight	Weight comparison copper vs. aluminum	Item number	EAN
4x50	192	2472		4x70	187	1485	-40%	50100160	5714969005376
				4x95	227	1882	-24%	50100170	5714969005390
4x70	246	3426		4x95	227	1882	-45%	50100170	5714969005390
				4x120	263	2347	-31%	50100180	5714969005413
4x95	298	4526		4x120	263	2347	-48%	50100180	5714969005413
				4x150	304	2910	-36%	50100185	5714969005420
4x120	346	5730		4x185	347	3516	-39%	50100190	5714969005437
4x150	399	7447		4x240	409	4460	-40%	50100195	5714969005444
4x185	456	9350		4x300	471	5455	-42%	50100200	5714969005451
4x240	538	12277		4x400	555	7045	-43%	50100205	5714969005468
1x120	383	1189		1x185	395	806	-32%	50100070	5714969005192
1x150	444	1484		1x240	471	999	-33%	50100080	5714969005215
1x185	510	1780		1x240	471	999	-44%	50100080	5714969005215
				1x300	547	1218	-32%	50100090	5714969005239
1x240	607	2319		1x300	547	1218	-47%	50100090	5714969005239
				1x400	663	1597	-31%	50100100	5714969005253
1x300	703	2877		1x400	663	1597	-44%	50100100	5714969005253
				1x500	770	1966	-32%	50100110	5714969005277

It is crucial for the durability of your installation that the connection is made with suitable and reliable tools.

To achieve this reliable connection, we use the Weitekowitz / Intercable C8 system. The system consists of a press tool and an associated crimping die. Weitekowitz / Intercable has, as one of the few suppliers, developed their press system so that it is also recommended for class 5 aluminum conductors.

