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PRODUCT CATALOGUE 2011

Protection for solar panels
It's easy... with Litewire!

For Protection systems for solar panels
 Protection grids

Why it works **100% free of false alarms**
quick installation
 cable **resistant to UV**, humidity and extreme temperatures
 It's **easy** to put a connector on the cable with basic electrician's tools

- LiteWire Simplex
 (single fiber)

LiteSUN *detects when the cable is cut*

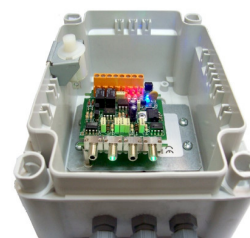
Link length: max 300m; in-between amplifiers are available

Power: 12VDC

Consumption: 100mA max.



IP40 version
 (75 x 75 x 27 mm)



IP55 version
 with anti-tampering sensor
 (155 x 110 x 74 mm)

LOOP CONNECTION

1-loop transceiver (1link max.300m)

Rx+Tx device, 1 alarm zone

320.SIS.LSUN300C001S

320.SIS.LSUN300C011S

2-loop transceiver (2 links max. 300m each)

Double Tx+Rx device, 2 alarm zones

320.SIS.LSUN300C002S

320.SIS.LSUN300C012S

POINT TO POINT CONNECTION

Single transmitter

Tx device, requires only power

320.SIS.LSUN300C001T

320.SIS.LSUN300C011T

Trasmettitore doppio

Double Tx device, requires only power

320.SIS.LSUN300C002T

320.SIS.LSUN300C012T

Single receiver

Rx device, 1 alarm zone

320.SIS.LSUN300C001R

320.SIS.LSUN300C011R

Double receiver

Double Rx device, 2 alarm zones

320.SIS.LSUN300C002R

320.SIS.LSUN300C012R

To increase link length, in both connection types:

*** Amplifier (in-between the link)**

Repeats the signal for additional 300m
 requires only power

320.SIS.LSUN300R001R

320.SIS.LSUN300R011R

LiteSUN Plus *detects cable bends as well as cable interruptions*

1-loop Transceiver (1link, max.300m)

Rx+Tx device, 1 alarm zone

It also works as a link amplifier, single Tx and single Rx, according to where it is placed

4 sensitivity levels can be easily adjusted manually
 An SD card keeps a record of all attenuation rates over the time
 IP55 version

320.SIS.LSUN300P011S

Power supply: 9-18 VDC

Consumption 200mA max.

IP55 version
 with anti-tampering sensor
 (190x240x90 mm)





PRODUCT CATALOGUE 2011

Video systems for analogue CCTV
It's easy... with Litewire!

For Analogue CCTV
 Video control for industrial purposes

Why it works it is **compatible** with ANY analogue cameras
It always works, suitable for any conditions
 It is **100%** immune to interferences
Protects from lightning and ground loops

| |
|------------------------|
| To transmit |
| 2 video signals |
| Anti-rodent protection |

COMPLETE SYSTEM

| | | |
|----------------------------------|--|-----------------------------|
| * VIDA150S System (Tx+Rx) | Up to 150m | <i>320.SIS.VIDA150C000S</i> |
| * VIDA300S System (Tx+Rx) | Up to 300m | <i>320.SIS.VIDA300C150S</i> |
| * Video repeater | In-between signal amplifier up to 600m | <i>320.SIS.VIDA300R151R</i> |



SINGLE ITEMS

| | | |
|-----------------------------------|---------------------------------------|---|
| * VIDA150 Transmitter | Up to 150m | <i>320.SIS.VIDA150S002T</i> |
| * VIDA300 Transmitter | Up to 300m | <i>320.SIS.VIDA300S002T</i> |
| * IP68 VIDA300 Transmitter | Up to 300m protection degree: IP68 | <i>320.SIS.VIDA300P068T</i> |
| * VIDA150 Receiver | Up to 150m | <i>320.SIS.VIDA150S002R</i> |
| * VIDA300 Receiver | Up to 300m | <i>320.SIS.VIDA300S002R</i> |
| * Multi-channel receiver | Rack 19" mounting Power: 230VAC | <i>320.SIS.VIDA300M004R</i> <i>320.SIS.VIDA300M008R</i> <i>320.SIS.VIDA300M012R</i> |



CONNECTION SCHEME



REPEATER with VIDA300





PRODUCT CATALOGUE 2011

Ethernet systems for IP cameras and LAN networks
It's easy... with Litewire!

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For CCTV "over IP"
 Industrial Automation (Industrial Ethernet)

Type of cable - LiteWire Duplex (2 fibers)
 standard or anti-rodent

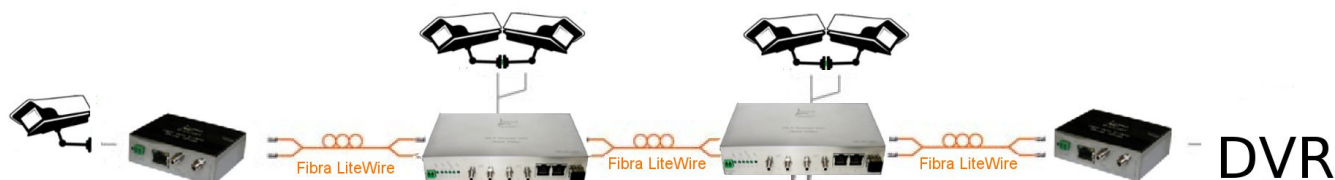
Advantage *Connect all the IP digital cameras with one single cable*

Place the devices in sequence, like in the picture below

Number of device in a bus: unlimited

Distance between 2 devices up to 100m

CONNECTION SCHEME



***VIDA IP Media Converter**

Used as first and/or final item of the sequence
 1x RJ45 port + 1x 100Mbit/s port

320.SIS.VDIP101S002P



***VIDAIP unmanaged switch**

Used as in-between item of the sequence
 2 x RJ45 ports + 2 x 100Mbit/s ports

320.SIS.VDIP202S004P



Or

2 x RJ45 ports + 2 x 100Mbps ports + 1 SFP slot (e.g. 1Gbit/s)

320.SIS.VDIP202S004S

With the SFP slot you can maxe a mixed network (plastic fiber + glass optical fiber)



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PRODUCT CATALOGUE 2011

Perimeter anti-climb protection for meshes
It's easy... with Litewire!

For Perimeter protection against climbing over

Type of cable - LiteWire Simplex

Why it works

zero false alarms due to vibrations or wind
100% immune to EMI
4 sensitivity levels easy to adjust
Long distances: 1 single device protects up to 300m fence

LiteFENCE

Rx+Tx device , 1 alarm zone

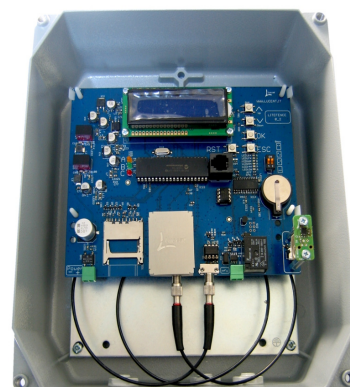
It also works as a link amplifier, single Tx and single Rx, according to where it is placed

4 sensitivity levels can be easily adjusted manually
 An SD card keeps a record of all attenuation rates over the time

Enhanced for perimeter protection

Protection degree: IP66

Link length: max 300m
 Power: 12-24 VDC



320.SIS.LSUN300F011S

€ 1,490.00

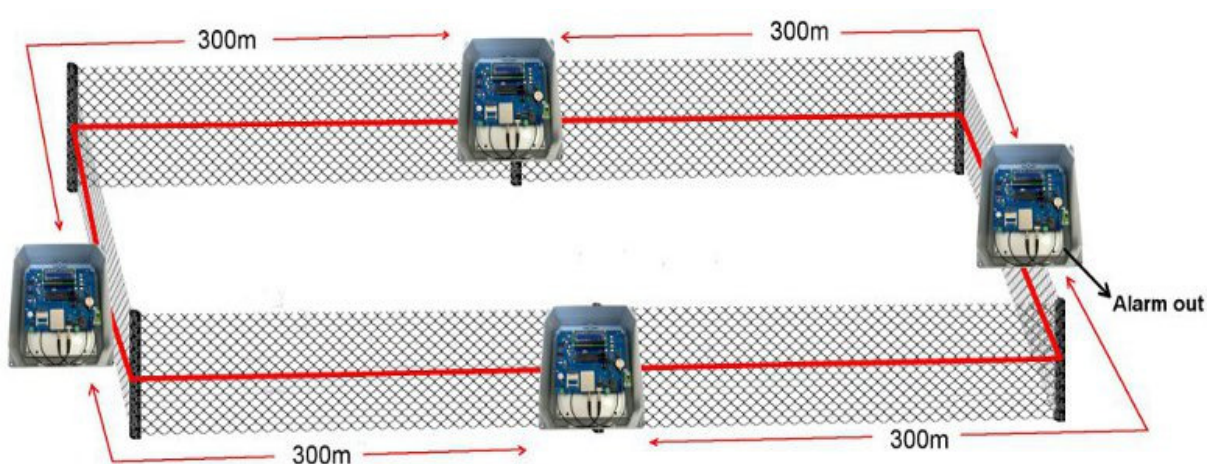
HOW TO INSTALL LITEFENCE

1 single fiber in the middle of the fence, taking off the central tie rod: there will be only 2 tie rods

OR

2 fibers (a lower one as anti-lift and a higher one as anti-climb) if there are 3 or more tie rods

CONNECTION SCHEME



PRODUCT CATALOGUE 2011

Plastic fiber cables LiteWire
It's easy... with Litewire!

Standard cables

LiteWire Simplex (single fiber)



| | |
|-------------|----------------------|
| 200m spool | 340.BOB.LPL1020P022M |
| 500m spool | 340.BOB.LPL1050P022M |
| 1000m spool | 340.BOB.LPL1100P022M |

LiteWire Duplex (2 fibers; for Ethernet or 2 analogue video signals)



| | |
|-------------|----------------------|
| 200m spool | 340.BOB.TOO2020B044M |
| 1000m spool | 340.BOB.TOO1100B044M |

Special cables

Anti-rodent LiteWire Simplex (single fiber)



| | |
|------------|----------------------|
| 500m spool | 340.CAS.KEY1100B050E |
|------------|----------------------|

Anti-rodent LiteWire Duplex (2 fibers; for Ethernet or 2 analogue video signals)



| | |
|------------|----------------------|
| 500m spool | 340.CAS.KEY2100B080E |
|------------|----------------------|

LiteWire Casper Simplex ("invisible", single fiber, for CCTV in museums, churches and buildings with esthetic constraints)



| | |
|------------|----------------------|
| 200m spool | 340.BOB.CAS1020T022P |
| 500m spool | 340.BOB.CAS1050T022P |

Luceat can develop and produce cables for special applications for minimum order quantities of 5km



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PRODUCT CATALOGUE 2011

Accessories

It's easy... with Litewire!

Litewire connectorization kit

420.ACC.SMAK001M022L *Basic kit*
 420.ACC.SMAK001M022T *Kit with Tester*

- crimp tool
- automatic cable stripper
- cutter
- 10 FSMA connectors
- 1000 grit sand paper
- 2 couplers
- polishing disc



Tester (measures link length)

check that all your links are correct!

320.SIS.TEST300S001M



FSMA connectors, 1 pack=10 pcs

420.ACC.SMHF055M022C



FSMA coupler

(for splicing the fiber; requires no. 2 FSMA connectors)

420.ACC.SMAA001M022M



Power supply 12VDC 1,2A

420.POW.DCAL012S012U



Drilled "button" or pin (for rooftop installations)

for fixing Litewire cable to the back of the panel

420.ACC.BULS010M012T

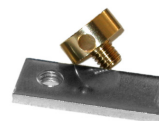


Drilled bolt (M6x6, for ground installations)

+ Nut (15x35mm)

for fixing Litewire cable to the back of the panel

420.ACC.BULS010M006I



Fast bolt for LiteSUN Plus (M6x6)

+ Nut (15x35mm)

for fixing Litewire cable to the back of the panel

420.ACC.BULS020M006



Drilled mounting bolt

for fixing Litewire cable to the mounting structure

M8 x 50 420.ACC.BULS050M008I
 M10 x 50 420.ACC.BULS050M010I
 M12 x 50 420.ACC.BULS050M012I

