

Cables for

DALI Applications

4B Series B2ca

DALI (Digital Addressable Lighting Interface) is an international standard communication protocol (IEC 62386), a global standard for dimming and digital lighting control. DALI is an open non-proprietary standard that makes genuine freely addressable lighting control a reality . DALI is very easy to install, extremely versatile and a much more cost-effective solution than many lighting control systems already on the market, despite its greater functionality.

Innovative DALI lighting solutions can be now be perfectly integrated in modern building control systems (BCS). Special gateways act as "translators" between building control systems (BCS) and DALI. They ensure that all the benefits of DALI can also be used in building management.

Improved Euroclass rating designed for use in Hospitals ,Large Office & Retail Buildings as well as Road and Rail Tunnels.

Characteristics

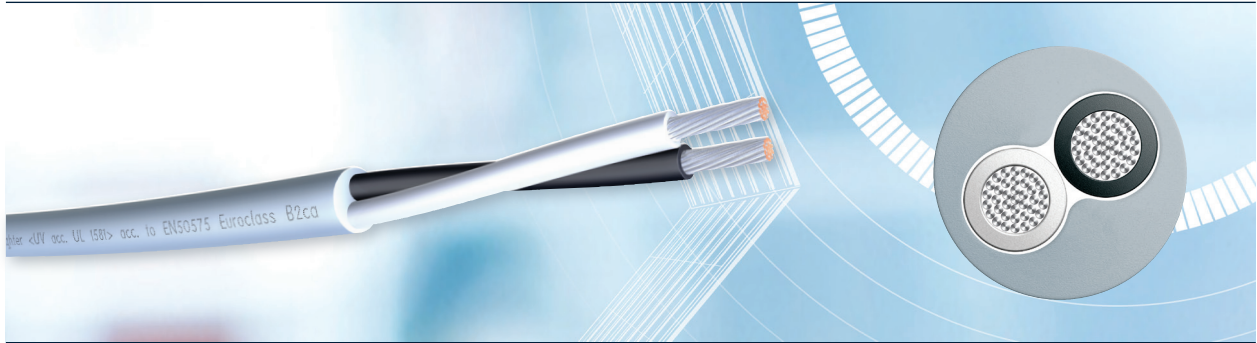
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|-----------------------|------------------------------|
| • UV Stable | acc. to UL 1581 |
| • Flame retardant | acc. to IEC 60332-1-2 |
| • Fire Retardant | acc. to IEC 60332-3-24 Cat.C |
| • Halogen Free | acc. to IEC 60754-1 |
| • Smoke Density | acc. to IEC 61034 |
| • Harmonised Standard | B2ca-S1a, d0, a1 |



Low reaction

Non-flame propagation. Non-fire propagation (1.5m) Low heat emission

DAI Cables LSZH FireFighter® 600V 4B Series B2ca <UV Acc.UL 1581>



Description

Recommended minimum DAI cable conductor size and cable run lengths are as follows:

Up to 100 meters:	20awg
Up to 150 meters:	18awg
Up to 200 metres:	16awg
Up to 300 meters:	14awg (more than 300 meters: not recommended - avoid runs over 300 meters)

Technical Description

Cores	Stranded Tinned Copper wire. LSZH FireFighter® Insulated IEC 60332-1, black/white cores.
Formation	2 cores twisted to a pair
Outer Jacket	LSZH FireFighter® IEC 60332-1 600 V
Colour	Grey

Specification

Part Number	Construction	Overall Diameter (mm)	Max. Installation Length*
4B027514	1 x 2 x 20 awg	5,00 ± 10%	100 m
4B021014	1 x 2 x 18 awg	5,40 ± 10%	150 m
4B021514	1 x 2 x 16 awg	5,80 ± 10%	200 m
4B022514	1 x 2 x 14 awg	7,00 ± 10%	300 m

*The information given is for guidance only; the installer should always check the system installation requirements to ensure the cable is fit for purpose.