

## Light-LINKS B2ca OS2 Indoor/Outdoor Fiber Cable - Glass Yarn

DINTEK Light-LINKS™ Indoor/Outdoor B2ca Fiber Optic Cables have been designed to meet both the stringent environmental requirements typical of outside plant cable in addition to, the flammability requirements of premise applications in compliance with the CPR grade B2ca.

The cable contains 250micron primary coated fibers inside a tube that has several water-blocking yarns, covered with a layer of water-blocking glass yarn as a strength member, and finally completed with an outer jacket.

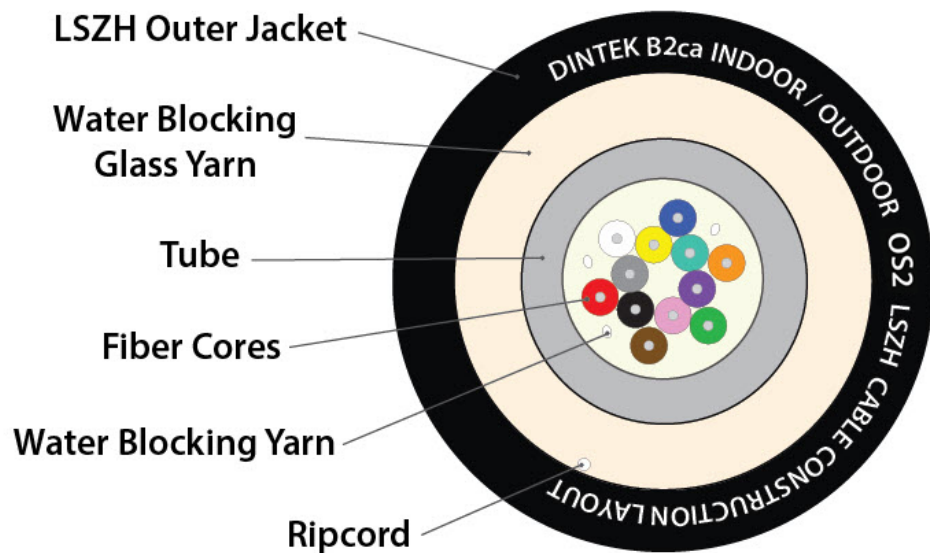
DINTEK Light-LINKS™ Indoor/Outdoor Fiber Optic Cables are ideal for applications that span indoor and outdoor environments, therefore eliminating the need for entrance facility splice points, which saves money and installation time.

### Features

- Standard 08-24C / Central tube design
- Rodent protection | Excellent mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Glass yarn water blocking strength member | Crush resistance and flexibility

### Applications

- Inter-building connections & Backbone premise pathways
- Up to 100Gbps Ethernet
- SAN, Data Center links
- Indoor/Outdoor any purpose cable distribution



### General Standards Compliance

- GR-409
- ICEA-596
- IEC 60794
- IEC 60793
- IEC332-1
- RoHS Compliant

### Standards Compliance

Fire Performance	
Fire Test Description	Standards Compliance (Meets Or Exceeds)
Smoke Emission	IEC 61034-1 & 2
Flammability	IEC 60332-1
Flammability	IEC 60332-3-24
Toxicity	IEC 60754-1
Acid Gas Emission	IEC 60754-2
Complies with standards IEC 60794, IEC 60793, RoHS etc	

### Ordering Information

Product Number	Product Name	Jacket Type	Strength Member	Fiber Buffer Size	Std Pkg Qty
2102-01107	4 Core Indoor/Outdoor OS2 B2ca Fiber Cable	LSZH	Glass yarn	250 micron	1km or 2km / Reel
2102-01108	6 Core Indoor/Outdoor OS2 B2ca Fiber Cable	LSZH	Glass yarn	250 micron	1km or 2km / Reel
2102-01109	8 Core Indoor/Outdoor OS2 B2ca Fiber Cable	LSZH	Glass yarn	250 micron	1km or 2km / Reel
2102-01110	12 Core Indoor/Outdoor OS2 B2ca Fiber Cable	LSZH	Glass yarn	250 micron	1km or 2km / Reel

2102-01111	24 Core Indoor/Outdoor OS2 B2ca Fiber Cable	LSZH	Glass yarn	250 micron	1km or 2km / Reel
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## Parameters

### Optical Properties

Multimode	Multimode OM1 850/1300nm	Multimode OM2 850/1300nm	Multimode OM3 850/1300nm	Multimode OM4 850/1300nm	Multimode OM5 850/953/1300nm
<b>Attenuation Typical</b>	3.0/1.0 dB/km	3.0/1.0 dB/km	3.0/1.0 dB/km	3.0/1.0 dB/km	3.0/---/1.0 dB/km
<b>Attenuation Maximum</b>	3.5/1.5 dB/km	3.5/1.5 dB/km	3.5/1.5 dB/km	3.5/1.5 dB/km	3.5/---/1.5 dB/km
<b>Bandwidth(MHz/km)</b>	≥200/500	≥500/500	≥1500/500	≥3500/500	≥3500/1850/500
<b>Effective Modal Bandwidth</b>	-	-	≥2000 Mhz	≥4700 Mhz	≥4700/2470/---
<b>10 Gigabit Ethernet SX</b>	-	-	≤300 Mtrs	≤550 Mtrs	≤600/---/---
<b>Fiber Core Min Bend Radius (mm)</b>	30mm	30mm	7.5mm	7.5mm	7.5mm
<b>Cladding diameter(μm)</b>	125μm ±1.0	125μm ±1.0	125μm ±1.0	125μm ±1.0	125μm ±1.0

## Parameters

### Mechanical Properties

Property	Installation	Operation
<b>Tensile Strength</b>	1000N	500N
<b>Min. Bend Radius (D=Cable diameter)</b>	20x D	10x D
<b>Crush Resistance</b>	1000N/100mm, no change in attenuation after the test	1000N/100mm, no change in attenuation after the test

The mechanical properties of optical fibers and cables shall meet international standards of IEC 60794.

## Structure Parameters

### Material & Environmental

Items	Specification
<b>Fiber count</b>	4~24
<b>Optical Fiber</b>	-
Diameter(±5μm)	250
Color	1. Blue 2. Orange 3. Green 4. Brown 5. Grey 6. White 7. Red 8. Black 9. Yellow 10. Violet 11. Pink 12. Aqua The second set of 12 fibers with black rings is separated from the first set of 12, and the color of NO.20 fiber is natural.
<b>Cable Materials</b>	Core Reinforce Water Blocking Glass Yarn
Sheath Material	LSZH Color: Black
<b>Cable Structure</b>	Outer diameter 7.3mm (±0.5mm)
<b>Cable Structure</b>	Cable Weight (kg/km) Approximately 63kg
<b>Temperature</b>	Storage -20°C~+60°C
<b>Temperature</b>	Installation -5°C~+50°C
<b>Temperature</b>	Operational -20°C~+60°C

Other optical properties should meet international standards of IEC 60793/IEC60794 or ITU-T.

## DINTEK Electronic Limited

台北市中山區中山北路二段96號 嘉新第二大樓五樓N511  
 N511, 5F, 2nd Bldg, No. 96, Sec. 2, Zhongshan N. Rd. Zhongshan Dist., Taipei City 10449, Taiwan  
 P: +886-2-25223138 E-mail: sales@dintek.com.tw W: www.dintek.com.tw

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