

Indoor Fiber Optics Cable with Corrugated Steel Tape Armor, NBR (nitrile butadiene rubber), Black

Product Code: [LAN-OFC-SInn-yy-NBR](#)

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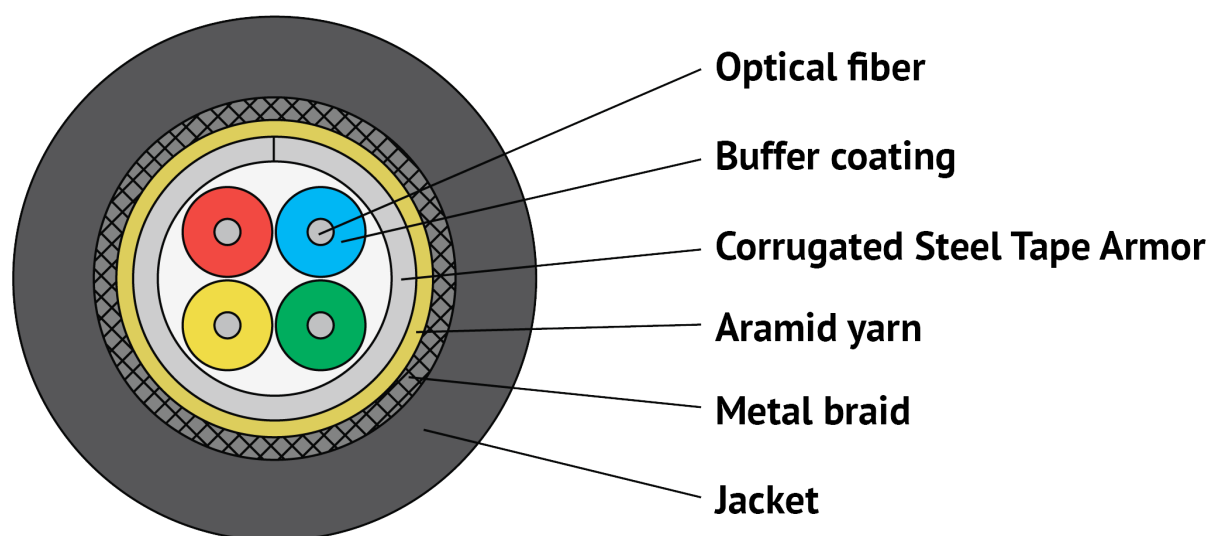


Description

Application:

Used as a distribution cable of small diameter (from 3.5 to 6 mm) for cabling inside buildings. The cable NBR (nitrile butadiene rubber) jacket allows for use in aggressive environments (exposure to oil, acid, gasoline, etc.).

Design:



The cable contains a bundle of optical fibers in a tight buffer coating of 600 µm which is covered with

corrugated steel tape armor and a layer of aramid yarn and a metal braid. The black cable jacket is made of NBR, which provides high flexibility, strength, and resistance to heat aging. The maximum possible count of optical fibers in the cable is 12.

Color identification of tight buffer optical fibers:

Nº	Fibers 1-12
1	Blue
2	Orange
3	Green
4	Brown
5	Grey
6	White
7	Red
8	Black
9	Yellow
10	Violet
11	Pink
12	Aqua

Weight and dimensions:

Count of fibers in the cable	Cable diameter, mm	Cable weight, kg/km	Corrugated tape armor dimensions, mm
2	3,5 ± 0,2	56,5	1,3 x 1,8 ± 0,1
4	5,0 ± 0,2	82	2,2 x 2,8 ± 0,1
8	5,4 ± 0,2	90	2,6 x 3,2 ± 0,1
12	6,0 ± 0,2	98	3,0 x 3,8 ± 0,1

Operating conditions:

Operating Temperature	-20°+70 °C
Installation Temperature	-20°+60 °C
Storage Temperature	-20°+70 °C
Minimum Bend Radius	Dynamic 20 cable diameters
Lifetime	Static 10 cable diameters
	25 years

Physical characteristics:

Nº	Characteristic	Value
1	Maximum pulling tension	Short term impact 1000 N
		Long term impact 600 N
2	Maximum crushing strength	Short term impact 3000 (N/100mm)
		Long term impact 2000 (N/100mm)

Product code
LAN-OFC-SInn-yy-NBR

Description
FO cable with corrugated steel tape armor, NBR, indoor,
nn - fiber count, SM, OS2/OM1/OM2/OM3/OM4, black

nn - fiber count

yy - fiber type (SU, S2, S5, S7, M1, M2, M3, M4)

Applicable optical fibers:

Identifier	Description
SU	Single-mode fiber with extended operating wavelength and reduced attenuation and low bending loss (ITU G.652D+G.657.A1 recommendation)
S2	Single-mode fiber with an extended bandwidth of operating wavelengths (ITU-T G.652D recommendation)

S5	Single-mode positive non-zero dispersion shifted fiber (ITU-T G.655 recommendation)
S7	Single-mode with low bending loss (ITU-T G.657 recommendation)
M1	Multi-mode with core to cladding ratio 62,5/125 µm (IEC 60793-2-10 A1b type recommendation)
M2	Multi-mode with core to cladding ratio 50/125 µm (ITU-T G.651 recommendation and IEC 60793-2-10 type A1a.1 requirements)
M3	Multi-mode with low bending loss and core to cladding ratio 50/125 µm (ITU-T G.651 recommendation and IEC 60793-2-10 A1a.2 type requirements)
M4	Multi-mode with low bending loss and core to cladding ratio 50/125 µm (ITU-T G.651 recommendation and IEC 60793-2-10 A1a.3 type requirements)

Model range

LAN-OFC-SI2-S2-NBR	FO cable with corrugated steel tape armor, NBR, indoor, 2 fibers, SM, OS2, black
LAN-OFC-SI2-M2-NBR	FO cable with corrugated steel tape armor, NBR, indoor, 2 fibers, MM, OM2, black
LAN-OFC-SI2-M3-NBR	FO cable with corrugated steel tape armor, NBR, indoor, 2 fibers, MM, OM3, black
LAN-OFC-SI2-M4-NBR	FO cable with corrugated steel tape armor, NBR, indoor, 2 fibers, MM, OM4, black
LAN-OFC-SI4-S2-NBR	FO cable with corrugated steel tape armor, NBR, indoor, 4 fibers, SM, OS2, black
LAN-OFC-SI4-M2-NBR	FO cable with corrugated steel tape armor, NBR, indoor, 4 fibers, MM, OM2, black
LAN-OFC-SI4-M3-NBR	FO cable with corrugated steel tape armor, NBR, indoor, 4 fibers, MM, OM3, black
LAN-OFC-SI4-M4-NBR	FO cable with corrugated steel tape armor, NBR, indoor, 4 fibers, MM, OM4, black
LAN-OFC-SI8-S2-NBR	FO cable with corrugated steel tape armor, NBR, indoor, 8 fibers, SM, OS2, black
LAN-OFC-SI8-M2-NBR	FO cable with corrugated steel tape armor, NBR, indoor, 8 fibers, MM, OM2, black
LAN-OFC-SI8-M3-NBR	FO cable with corrugated steel tape armor, NBR, indoor, 8 fibers, MM, OM3, black

LAN-OFC-SI8-M4-NBR	FO cable with corrugated steel tape armor, NBR, indoor, 8 fibers, MM, OM4, black
LAN-OFC-SI12-S2-NBR	FO cable with corrugated steel tape armor, NBR, indoor, 12 fibers, SM, OS2, black
LAN-OFC-SI12-M2-NBR	FO cable with corrugated steel tape armor, NBR, indoor, 12 fibers, MM, OM2, black
LAN-OFC-SI12-M3-NBR	FO cable with corrugated steel tape armor, NBR, indoor, 12 fibers, MM, OM3, black
LAN-OFC-SI12-M4-NBR	FO cable with corrugated steel tape armor, NBR, indoor, 12 fibers, MM, OM4, black

Product descriptions are listed according to the available information at the time of publication. Product specifications can be changed without advanced notification. More detailed and exact information can be obtained from the official partners and distributors of LANMASTER.