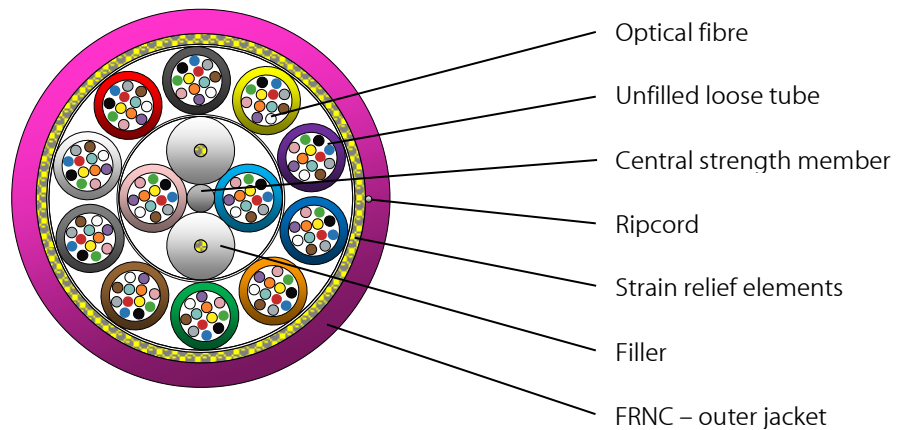


LEONI Part No.: **84181##7# ### ZSYLX****FiberConnect® I-B(ZN)H nx12... 1,6 JF****Profile view:****Design:****Loose tube:**

Unfilled loose tube, outer diameter 1.6 mm with 12 optical fibres
 Colour code fibres: blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
 Halogen-free and flame-retardant material (FRNC)
 Colour code tube: blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise

Stranding:

Loose tubes and if necessary fillers stranded around a central glass fibre (GFR) strength member.
 Strength member can be reinforced.
 Wrapping with non woven
 Strain relief elements (aramid), stranded in two layers (left and right spin)

Outer jacket:

Halogen-free and flame-retardant material (FRNC)
 Colour see table 2 below
 Outer diameter and wall thickness see table 1 below
 One ripcord under the jacket
 Inkjet - marking see table 2 below

Application/Installation:

Indoor cable for the installation in cable ducts special for Data Centre
 Suitable for assembly with fibre dividers, multifiber connectors and for splice cassettes

Transmission characteristics:

Transmission characteristics see separate fibre data-sheet

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Mechanical characteristics:

Min. bending radius fixed (static) acc. IEC 60794-1-2 E11A	10 x outside diameter
Min. bending radius during assembly (dynamic) acc. IEC 60794-1-2 E6	15 x outside diameter
Max. tensile force acc. IEC 60794-1-2 E1	800 N
Max. crush resistance acc. IEC 60794-1-2 E3	600 N/dm
Impact resistance acc. IEC 60794-1-2 E4	3 impacts, 1.0 Nm, R = 300 mm

Thermal characteristics:

Transport and storage	- 25°C to + 70°C
Installation	- 5°C to + 50°C
In use acc. IEC 60794-1-2 F1	- 10°C to + 70°C

Fire performance:

Cable is flame-retardant	acc. to IEC 60332-1-2
Cable is flame-retardant	acc. to IEC 60332-3-22 Cat.A
Smoke density	acc. to IEC 61034
Halogen-free	acc. to IEC 60754-1
Acidity of the combustion gases	acc. to IEC 60754-2
Fire Class according EN 13501-6	C _{ca} -s1a, d1, a1

Chemical characteristics:

No resistance to oil, petrol, acid and leach

Standardisation:

IEC 60794-2	
No. of Declaration of Performance	CDERF0000069 – V1

Notes:

Possible packaging:
Disposable drums

Table 1

Construction	max. number of fibers	Outer diameter mm	Wall thickness mm	Weight kg/km	Fire load MJ/m
2 x 12	24	5.7	0.5	30	1.51
3 x 12	36	5.7	0.5	30	1.51
4 x 12	48	5.7	0.5	30	1.51
6 x 12	72	6.3	0.5	36	1.80
8 x 12	96	7.5	0.6	48	2.67
12 x 12	144	8.9	0.6	66	3.47

LEONI Part No.: **84181##7# ### ZSYLX**

Table 2

Part number	Type	Printing	Colour
84181127A111ZSYLX	I-B(ZN)H 2x12E9/125 1,6 JF	LSZH Cca s1a d1 a1 24 x 9/125 OS2 (sequential length in Meters, ReelNo)	Yellow
84181127S655ZSYLX	I-B(ZN)H 2x12G50/125 OM3Bi 1,6 JF	LSZH Cca s1a d1 a1 24 x 50/125 OM3 (sequential length in Meters, ReelNo)	Aqua
84181127R414ZSYLX	I-B(ZN)H 2x12G50/125 OM4Bi 1,6 JF	LSZH Cca s1a d1 a1 24 x 50/125 OM4 (sequential length in Meters, ReelNo)	Magenta
84181127R655ZSYLX	I-B(ZN)H 2x12G50/125 OM4Bi 1,6 JF	LSZH Cca s1a d1 a1 24 x 50/125 OM4 (sequential length in Meters, ReelNo)	Aqua
84181187A111ZSYLX	I-B(ZN)H 3x12E9/126 1,6 JF	LSZH Cca s1a d1 a1 36 x 9/125 OS2 (sequential length in Meters, ReelNo)	Yellow
84181187S655ZSYLX	I-B(ZN)H 3x12G50/125 OM3Bi 1,6 JF	LSZH Cca s1a d1 a1 36 x 50/125 OM3 (sequential length in Meters, ReelNo)	Aqua
84181187R414ZSYLX	I-B(ZN)H 3x12G50/125 OM4Bi 1,6 JF	LSZH Cca s1a d1 a1 36 x 50/125 OM4 (sequential length in Meters, ReelNo)	Magenta
84181187R655ZSYLX	I-B(ZN)H 3x12G50/125 OM4Bi 1,6 JF	LSZH Cca s1a d1 a1 36 x 50/125 OM4 (sequential length in Meters, ReelNo)	Aqua
84181247A111ZSYLX	I-B(ZN)H 4x12E9/127 1,6 JF	LSZH Cca s1a d1 a1 48 x 9/125 OS2 (sequential length in Meters, ReelNo)	Yellow
84181247S655ZSYLX	I-B(ZN)H 4x12G50/125 OM3Bi 1,6 JF	LSZH Cca s1a d1 a1 48 x 50/125 OM3 (sequential length in Meters, ReelNo)	Aqua
84181247R414ZSYLX	I-B(ZN)H 4x12G50/125 OM4Bi 1,6 JF	LSZH Cca s1a d1 a1 48 x 50/125 OM4 (sequential length in Meters, ReelNo)	Magenta
84181247R655ZSYLX	I-B(ZN)H 4x12G50/125 OM4Bi 1,6 JF	LSZH Cca s1a d1 a1 48 x 50/125 OM4 (sequential length in Meters, ReelNo)	Aqua
84181367A111ZSYLX	I-B(ZN)H 6x12E9/128 1,6 JF	LSZH Cca s1a d1 a1 72 x 9/125 OS2 (sequential length in Meters, ReelNo)	Yellow
84181367S655ZSYLX	I-B(ZN)H 6x12G50/125 OM3Bi 1,6 JF	LSZH Cca s1a d1 a1 72 x 50/125 OM3 (sequential length in Meters, ReelNo)	Aqua
84181367R414ZSYLX	I-B(ZN)H 6x12G50/125 OM4Bi 1,6 JF	LSZH Cca s1a d1 a1 72 x 50/125 OM4 (sequential length in Meters, ReelNo)	Magenta
84181367R655ZSYLX	I-B(ZN)H 6x12G50/125 OM4Bi 1,6 JF	LSZH Cca s1a d1 a1 72 x 50/125 OM4 (sequential length in Meters, ReelNo)	Aqua
84181487A111ZSYLX	I-B(ZN)H 8x12E9/129 1,6 JF	LSZH Cca s1a d1 a1 96 x 9/125 OS2 (sequential length in Meters, ReelNo)	Yellow
84181487S655ZSYLX	I-B(ZN)H 8x12G50/125 OM3Bi 1,6 JF	LSZH Cca s1a d1 a1 96 x 50/125 OM3 (sequential length in Meters, ReelNo)	Aqua
84181487R414ZSYLX	I-B(ZN)H 8x12G50/125 OM4Bi 1,6 JF	LSZH Cca s1a d1 a1 96 x 50/125 OM4 (sequential length in Meters, ReelNo)	Magenta
84181487R655ZSYLX	I-B(ZN)H 8x12G50/125 OM4Bi 1,6 JF	LSZH Cca s1a d1 a1 96 x 50/125 OM4 (sequential length in Meters, ReelNo)	Aqua
84181727A111ZSYLX	I-B(ZN)H 12x12E9/130 1,6 JF	LSZH Cca s1a d1 a1 144 x 9/125 OS2 (sequential length in Meters, ReelNo)	Yellow
84181727S655ZSYLX	I-B(ZN)H 12x12G50/125 OM3Bi 1,6 JF	LSZH Cca s1a d1 a1 144 x 50/125 OM3 (sequential length in Meters, ReelNo)	Aqua
84181727R414ZSYLX	I-B(ZN)H 12x12G50/125 OM4Bi 1,6 JF	LSZH Cca s1a d1 a1 144 x 50/125 OM4 (sequential length in Meters, ReelNo)	Magenta
84181727R655ZSYLX	I-B(ZN)H 12x12G50/125 OM4Bi 1,6 JF	LSZH Cca s1a d1 a1 144 x 50/125 OM4 (sequential length in Meters, ReelNo)	Aqua