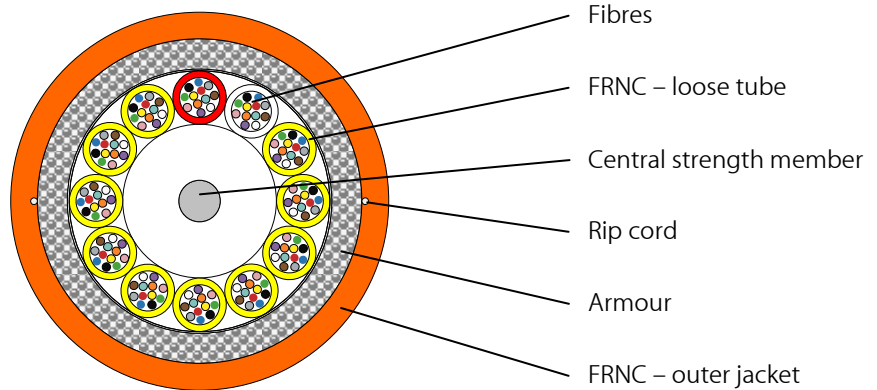


LEONI Part No.: **84080####****FiberConnect® I-B(ZN)BH nx12... 1,6 JF****Profile view:****Design:**Loose tube:

- Unfilled loose tube, outer diameter 1.6 mm with 12 colour-coded optical fibres
- Fibre colours: red, green, blue, yellow, white, grey, brown, violet, turquoise, black, orange, pink

Cable core:

- Central strength member with stranding elements
- Tube colours (2-12): counting tube red, counting direction tube white, other tubes yellow (E9/125), green (G50/125), or blue (G62,5/125)

Armour:

- Multifunctional E-glass yarns, wrapped in two layers (left and right spin) as strain relief element and non-metallic rodent protection

Outer jacket:

- Halogen-free and flame-retardant material, colour: orange or customer specified
- Outer diameter see table below
- Ripcord
- Inkjet-marking black:
LEONI - FiberConnect® I-B(ZN)BH nx12 fibre type
(alternating current symbol twice) Cca s1a d0 a1
(Reel No.), (sequential length in metres)

Application/Installation:

- Cable for indoor installation, especially in data centers
- Especially suitable for mounting of distribution head and assembly in splice cassettes
- Not suitable for underground laying

LEONI Part No.: **84080####**

Transmission characteristics:

- Transmisson characteristics see seperate fibre data-sheet

Mechanical characteristics:

- Min. bending radius
static 10 x outside diameter
dynamic 15 x outside diameter
- Max. pull force 3000 N
- Max. crush resistance long term 1000 N/dm

Thermal characteristics:

(IEC 60794-1-2, F1)

- Transport and storage - 25 °C to + 70 °C
- Installation - 5 °C to + 50 °C
- In use - 10 °C to + 70 °C

Fire performance:

- Flame retardancy acc. to IEC 60332-1-2 and IEC 60332-3-22 Cat. A
- Smoke density acc. to IEC 61034
- Halogen- free acc. to IEC 60754-1
- Acidity of combustion gases acc. to IEC 60754-2
- Fire Class according EN 13501-6 C_{ca}-s1a, d0, a1

Chemical characteristics:

- No resistance to oil, petrol, acid and leach

Standardisation:

- IEC 60794-2
- EN 50575 : 2014 + A1 : 2016
No. of Declaration of Performance CDERF0000026 – V2

Notes:

- Packaging
Disposable drums

Construction	Fibres max.	Wall thickness [mm]	Outer diam. [mm]	Weight [kg/km]	Fire load [MJ/m]
2 x 12	24	1.0	8.3	75	0.78
3 x 12	36	1.0	8.3	75	0.78
4 x 12	48	1.0	8.3	75	0.78
5 x 12	60	1.0	8.3	75	0.78
6 x 12	72	1.0	8.6	80	0.86
8 x 12	96	1.0	9.9	105	1.09
12 x 12	144	1.0	11.4	140	1.57