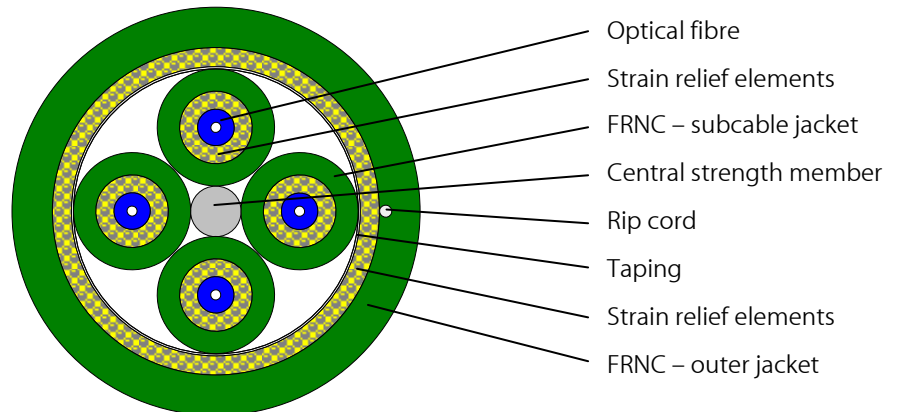


LEONI Part No.: **84950478# 688 ZGELO**

FiberConnect® AT-V(ZN)H(ZN)H n ...

Profile view:



Design:

Subcable:

- Semi-tight buffered fibre, outer diameter 0.9 mm colour: yellow (E9/125), green (G50/125), blue (G62.5/125)
- Strain relief elements (aramid)
- Subcable-jacket, halogen-free and flame-retardant material with approx. 0.5 mm wall, colour: green RAL 6029
- Diameter 2.9 mm with numeric coding

Stranding:

- FRP-element in centre, break-out-subcables stranded in layers (number of fibres 2-12)

Strain relief:

- Aramid yarns, wrapped in two layers (left and right spin)

Cable jacket:

- Halogen-free and flame-retardant material FRNC (SHF1, IEC 60092 Part 360)
- Outer diameter and wall see table below
- Colour: green RAL 6029
- Inkjet-marking black:
LEONI FO - FiberConnect® DNV GL AT-V(ZN)H(ZN)H n *fibre type*, *buffer type* (alternating current symbol twice) - IEC 60332-3-24 - (order number), (sequential length in metres)

Application/Installation:

- Rugged cable for the application in heavy ambience
- Indoor cable for the installation in cable ducts and in tubes
- For direct connector assembly

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Transmission characteristics:

- Transmission characteristics see separate fibre data-sheet

Mechanical characteristics:

- Min. bending radius acc. to IEC 60794-1-2, G1
 - static 10 x outside diameter
 - dynamic 15 x outside diameter
- Max. crush resistance acc. to IEC 60794-1-2, E3
 - short term 4000 N/dm
 - long term 1000 N/dm
- Impact strength acc. to IEC 60794-1-2, E4 (radius 300 mm, 30 cycles/minutes, 10 cycles) 2 Nm
- Max. pulling force acc. to IEC 60794-1-2, E1 1200 N

Thermal characteristics: (acc. to IEC 60794-1-2, F1)

- Transport and storage - 25 °C to + 80 °C
- Installation - 5 °C to + 50 °C
- In use - 20 °C to + 80 °C

Fire performance:

- Flame retardancy acc. to IEC 60332-1-2 and to IEC 60332-3-24 Cat. C
- Smoke density acc. to IEC 61034
- Halogen- free acc. to IEC 60754-1
- Acidity of combustion gases acc. to IEC 60754-2
- No corrosive and toxic fumes

Chemical characteristics:

- Oil resistance acc. to IEC 60811-2-1 with test-oil IRM 902 (acc. to ISO 1817) at +70°C; 4 h; pulling rate 50 mm/min relative change of the elongation at break and tensile strength max. +/- 40 %

Standardisation:

- Based on IEC 60794-2
- DNV-GL Type Approval Certificate No. TAE0000152

Notes:

- Packaging: Disposable drums

Part No.:	No. of Fibres	Outer diam. in mm	Wall thickness in mm	Weight in kg/km	Fire load in MJ/m	Zugkraft max. in N
84950481#	2	10.1	1.0	85	1.48	1200
84950478#	4	10.1	1.0	85	1.48	1200
84950482#	6	11.8	1.0	120	2.01	1200
84950483#	8	13.6	1.0	155	2.79	1200
84950484#	10	15.6	1.1	185	3.31	1200
84950485#	12	17.4	1.1	270	4.65	1200