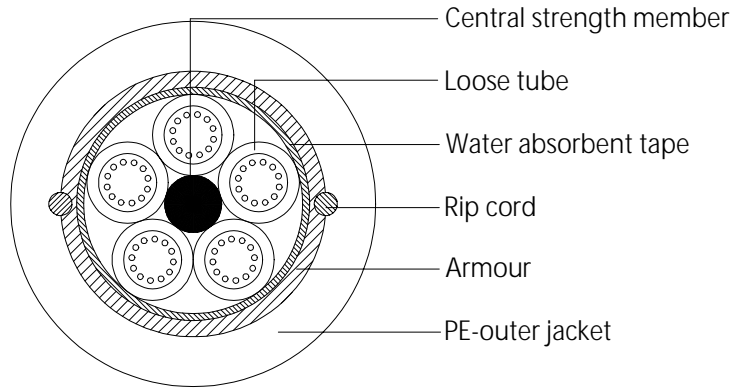


LEONI Part No.: **84316####**

A-DQ(ZN)B2Y n x m ...

Profile view:



Design:

Loose tube

- Gel-filled loose tube, outer diameter 2.4 mm with 2 to 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: red, white, other tubes: 9/125-yellow, 50/125-green, 62.5/125-blue
- Water-absorbent tape

Armour

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

Outer jacket

- Polyethylen (PE) with approx. 1.6 mm wall, colour: black
- Outer diameter see table below
- Two diametrically opposite ripcords
- Sintered marking: (telephone receiver) (alternating current symbol twice), (sequential length in metres), cable with single-mode fibres: (E)
Other side:
LEONI (no. of fibres) (fibre type), (reel no.)

Construction	Fibres max.	Outer diam. [mm]	Weight [kg/km]	Fire load kWh/m	Min. Bending radius [mm]	
					during installation	installed
1 x m	12	11.4	115	1.15	230	170
2 x m	24	11.4	115	1.15	230	170
3 x m	36	11.4	115	1.15	230	170
4 x m	48	11.4	115	1.15	230	170
5 x m	60	11.4	115	1.15	230	170
6 x m	72	12.3	135	1.24	245	185
8 x m	96	13.7	165	1.38	275	205
10 x m	120	15.2	205	1.53	305	230
12 x m	144	17.0	255	1.72	340	255

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LEONI Part No.: **84316####**

Application/Installation:

- Longitudinally water resistant outdoor cable with non-metallic rodent protection
- For fixed installation outdoors in cable ducts, , conduits and on cable racks or underground laying
- Mechanical installation by winch is permitted only when using force meters with recording function
- DIN VDE 0899 applies (german industrial standard)

Transmission characteristics:

- Transmission characteristics see separate fibre data-sheet

Mechanical characteristics:

Test	Test Standard	Specified value
Tensile performance	EN 187 000, 501	4000 N
Crush resistance	EN 187 000, 504	3000 N/dm, 10 min.
Impact resistance	EN 187 000, 505	3 Nm, 5 impacts, r=12.5 mm
Cable bend	EN 187 000, 513, 1	r=10 x outer diam., 5 turns, 1 cycle
Water penetration	EN 187 000, 605, B	14 days, 80 cm

Thermal characteristics:

- Transport and storage - 40 °C to + 70 °C
- Installation - 5 °C to + 50 °C
- In use - 25 °C to + 60 °C

Fire performance:

- Cable is halogen-free
- No corrosive and toxic fumes

Chemical characteristics:

- Good resistance to oil, petrol, acid and leach

Standardisation:

- IEC 60794-3
- EN 187 105
- DIN VDE 0888-3

Notes:

- Packaging:
Disposable drums, wooden drums of KTG or coils

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