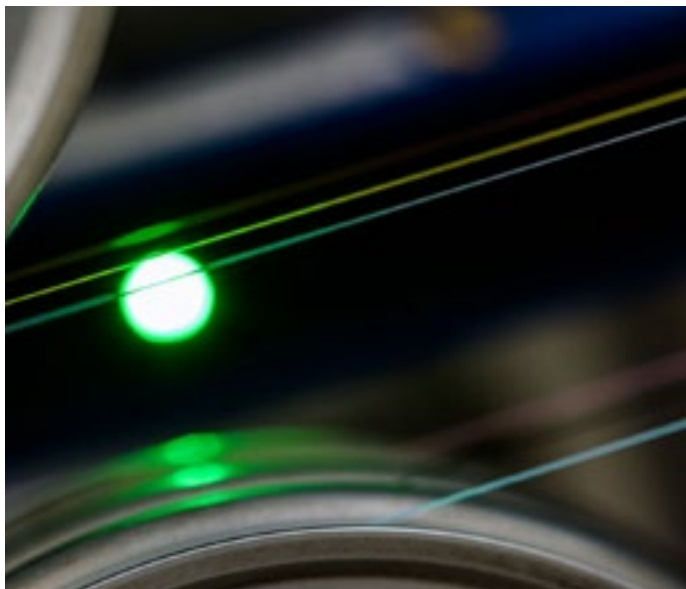


Bitfiber[®]

Fiber optic cables





About us



Cable Factory BITNER has been operating on the cable and wire market since 1996. Nowadays we offer over 40,000 items divided into several cable groups and our extensive product portfolio enables us to handle a wide range of investments in a comprehensive way.

We have been improving production processes and developing warehouse premises concomitantly relying on solid knowledge, well-established practical experience and up-to-date technologies since Cable Factory BITNER was established. We are ISO 9001 and ISO 14001 certified and our cables comply with required national/international standards.

To meet the market needs, Cable Factory BITNER expanded the range of produced cables with a group of Bitfiber® - fiber optic cables designed for gigabit networks.



Bitfiber®

Bitfiber® is a fiber optic cables family that can be used in both external and internal conditions in lots of industries for telecommunication, audio and video transmission, particularly recommended to be used within the wind farms where there is a higher risk of damage caused by rodents. Moreover the cables can be used within the mining industry, to put up local networks and within public facilities where more strict safety requirements are to be met or in places where there is a higher risk of fire.



A-DQ(ZN)B2Y 6x12 E9/125

A - D Q (ZN)B2Y 6x12 E9/125

external application	A
internal and external application	U
internal application	I

Core	
jelly filled multi fiber loose tube	D
single fiber loose tube	H
single fiber tight tube	V

Core sealing:	
dry sealed (waterblocking tape or yarns)	Q

Outer sheath:	
polyethylene (PE)	2Y
polyvinyl (PVC)	Y
polyamide (PA)	4Y
Low Smoke Zero Halogen	H
dielectric aramide yarn reinforcement + PE sheath	(ZN)2Y
dielectric glass yarn reinforcement + PE sheath	(ZN)B2Y

Core arrangement:	
number of tubes × number of fibers	n×m
e.g. 6 tubes with 12 fibers in each tube	6×12

Yarn type:	
siglemode	E
multimode	G

Core diameter [µm]:	
siglemode 9 µm	9
multimode 50 µm	50
multimode 62,5 µm	62,5

cladding diameter	125
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attenuation	[dB/km]
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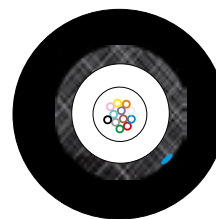
Bitfiber® A-DQ(ZN)B2Y

- 2-12 t.2,8 2000N
- 2-12 t.2,8 3000N

Central-tube fiber optic cable with reduced outer diameter, suitable for external application, anti-rodent



Application: Fiber optic cable designed to be used in cable ducts. Dedicated for use in places exposed to rodent attacks.



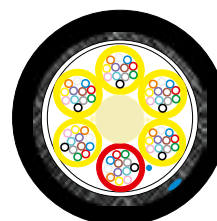
Bitfiber® A-DQ(ZN)B2Y

- 2-72 t.1,8 3000N 6x1,8
- Up to 96 t.1,8 3500N 8x1,8
- Up to 144 t.1,8 4000N 12x1,8

Multi-tube fiber optic cable with reduced outer diameter, suitable for external application, anti-rodent



Application: Fiber optic cable designed to be used in cable ducts. Dedicated for use in places exposed to rodent attacks.



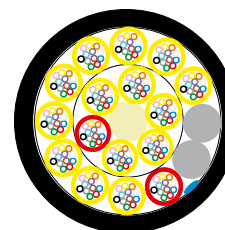
Bitfiber® A-DQ2Y

- 2-72 t.1,8 1000N 6x1,8
- Up to 96 t.1,8 1500N 8x1,8
- Up to 144 t.1,8 2000N 12x1,8
- Up to 216 t.1,8 2000N 18x1,8

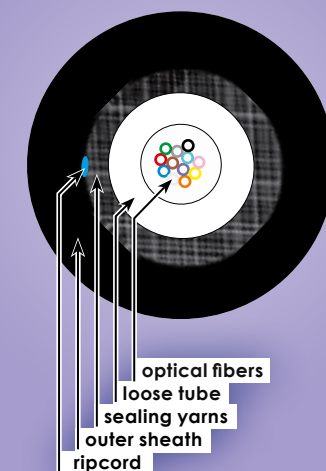
Multi-tube fiber optic cable for external application



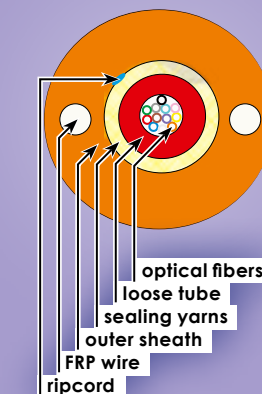
Application: Fiber optic cable designed to be used in cable ducts for backbone network installation in places not threatened by mechanical damage or rodent attacks. Suitable to be used in cable pipes.



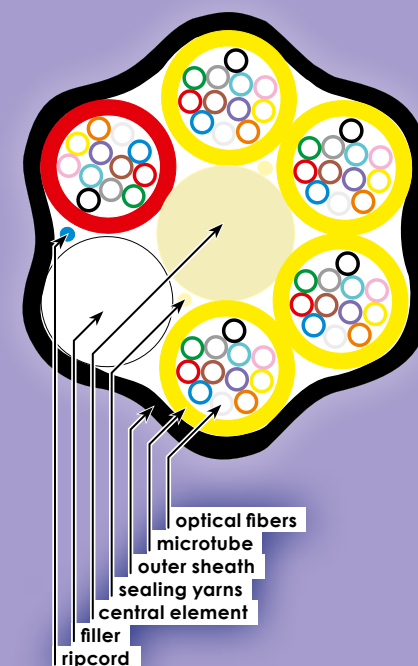
1. Bitfiber® U-DQ(ZN)BH



2. Bitfiber® DAC



3. Bitfiber® A-DQ2Y micro



A-DQ(ZN)B2Y 6x12 E9/125

A	D	Q	(ZN)B2Y	6x12	E9/125
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Working area	
external application	A
internal and external application	U
internal application	I

Core	
gel filled multi fiber loose tube	D
single fiber loose tube	H
single fiber tight tube	V

Core sealing:	
dry sealed (waterblocking tape or yarns)	Q

Outer sheath:	
polyethylene (PE)	2Y
polyvinyl (PVC)	Y
polyamide (PA)	4Y
Low Smoke Zero Halogen	H
dielectric aramide yarn reinforcement + PE sheath	(ZN)2Y
dielectric glass yarn reinforcement + PE sheath	(ZN)B2Y

Core arrangement:	
number of tubes × number of fibers	n×m
e.g. 6 tubes with 12 fibers in each tube	6×12

Yarn type:	
siglemode	E
multimode	G

Core diameter [µm]:	
siglemode 9 µm	9
multimode 50 µm	50
multimode 62,5 µm	62,5

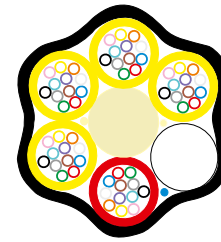
cladding diameter	125
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attenuation	[dB/km]
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Bitfiber® A-DQ2Y micro

- 2-72 t.1,45 500N 6x1,45
- Up to 96 t.1,45 1000N 8x1,45
- Up to 144 t.1,45 1200N 12x1,45

Multi-tube fiber optic cable for external application



Application: Fiber optic cable designed to be used in cable ducts for backbone network installation in places not threatened by mechanical damage or rodent attacks. Suitable to be used in cable pipes.

Bitfiber® A-DQ(ZN)4Y2Y

- 2-72 t.1,8 2700N 6x1,8
- Up to 96 t.1,8 3000N 8x1,8
- Up to 144 t.1,8 4000N 12x1,8

Multi-tube fiber optic cable with reduced outer diameter, suitable for external application, anti-rodent

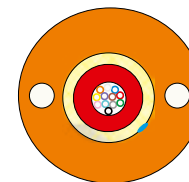


Application: Fiber optic cable designed to be used in cable ducts for backbone network installation in places not threatened by mechanical damage or rodent attacks. Suitable to be used in cable pipes.

Bitfiber® DAC

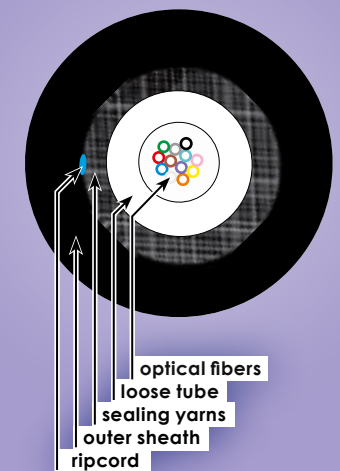
- 2-12 t.2,1 1200N

Direct Access Cable

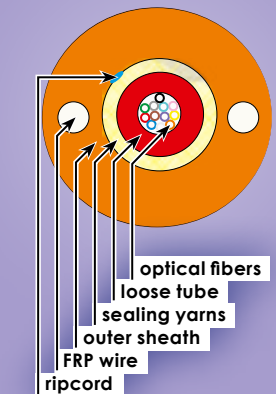


Application: Direct access fiber optic cable designed to be used to put up local networks, external acces networks and subscriber connections. Suitable for direct burial application.

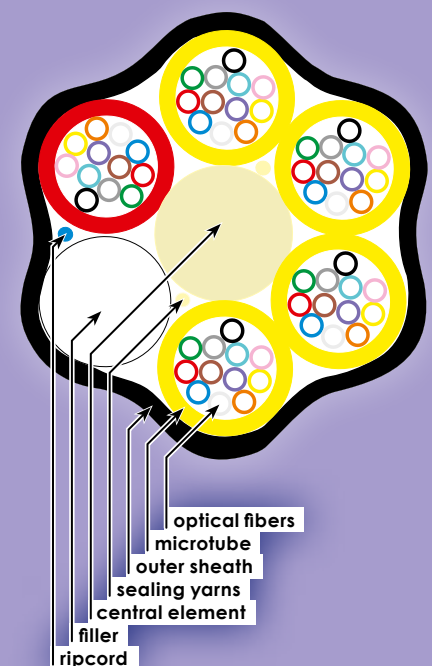
1. Bitfiber® U-DQ(ZN)BH



2. Bitfiber® DAC



3. Bitfiber® A-DQ2Y micro



A-DQ(ZN)B2Y 6x12 E9/125

A	D	Q	(ZN)B2Y	6x12	E9/125
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Working area	
external application	A
internal and external application	U
internal application	I

Core	
gel filled multi fiber loose tube	D
single fiber loose tube	H
single fiber tight tube	V

Core sealing:	
dry sealed (waterblocking tape or yarns)	Q

Outer sheath:	
polyethylene (PE)	2Y
polyvinyl (PVC)	Y
polyamide (PA)	4Y
Low Smoke Zero Halogen	H
dielectric aramide yarn reinforcement + PE sheath	(ZN)2Y
dielectric glass yarn reinforcement + PE sheath	(ZN)B2Y

Core arrangement:	
number of tubes × number of fibers	n×m
e.g. 6 tubes with 12 fibers in each tube	6×12

Yarn type:	
siglemode	E
multimode	G

Core diameter [µm]:	
siglemode 9 µm	9
multimode 50 µm	50
multimode 62,5 µm	62,5

cladding diameter	
	125

attenuation	
	[dB/km]

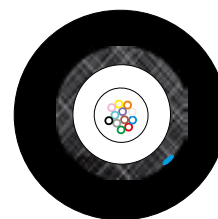
Bitfiber® U-DQ(ZN)BH

- 2-12 t.2,8 2000N
- 2-12 t.2,8 3000N

Central-tube universal fiber optic cable for internal and external application, anti-rodent



Application: Fiber optic cables intended for internal and external application in places without a threat of mechanical damage, however appropriate for places where there is a risk of rodent attacks. Cable suitable for installation within the wind farms and public areas with higher risk of fire.



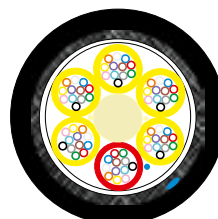
Bitfiber® U-DQ(ZN)BH

- 2-72 t.1,8 3000N 6x1,8
- Up to 96 t.1,8 3500N 8x1,8
- Up to 144 t.1,8 4000N 12x1,8

Multi-tube universal fiber optic cable for internal and external application, anti-rodent



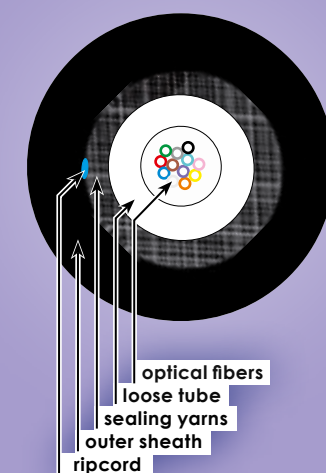
Application: Fiber optic cables intended for internal and external application in places without a threat of mechanical damage, however appropriate for places where there is a risk of rodent attacks. Cable suitable for installation within the wind farms and public areas with higher risk of fire.



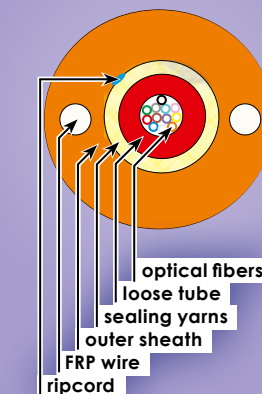
Bitfiber® construction table

Cable Type	Number of fibers								Fiber Type	
	12	24	36	48	72	96	144	216		
subscriber										
Bitfiber® A-DQ(ZN)B2Y 2-12	upto 12	-	-	-	-	-	-	-	-	ITU-T.G652D; ITU-T.G657A,B ITU-TG651 G62,5; G50 OM2, OM3, OM4
Bitfiber® DAC 2-12	upto 12	-	-	-	-	-	-	-	-	
micro										
Bitfiber® A-DQ2Y micro	1x12	2x12	3x12	4x12	6x12	8x12	12x12	-	-	ITU-T.G652D; ITU-T.G657A,B
basic										
Bitfiber® A-DQ2Y	1x12	2x12	3x12	4x12	6x12	8x12	12x12	18x12	-	ITU-T.G652D; ITU-T.G657A,B ITU-TG651 G62,5; G50 OM2, OM3, OM4
Bitfiber® A-DQ(ZN)B2Y	1x12	2x12	3x12	4x12	6x12	8x12	12x12	-	-	
Bitfiber® A-DQ(ZN)4Y2Y	1x12	2x12	3x12	4x12	6x12	8x12	12x12	-	-	
indoor - outdoor										
Bitfiber® U-DQ(ZN)BH 2-12	upto 12	-	-	-	-	-	-	-	-	ITU-T.G652D; ITU-T.G657A,B ITU-TG651 G62,5; G50 OM2, OM3, OM4
Bitfiber® U-DQ(ZN)BH	1x12	2x12	3x12	4x12	6x12	8x12	12x12	-	-	

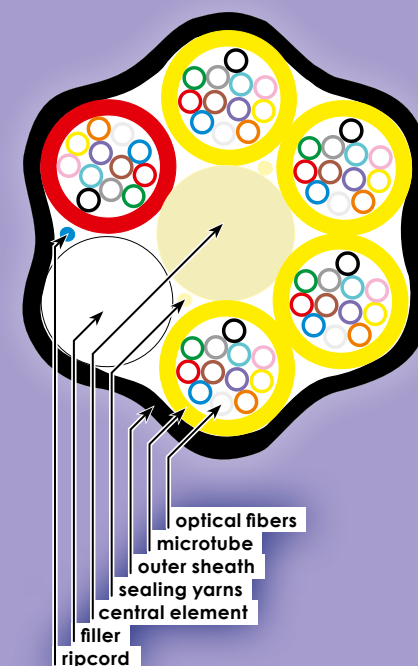
1. Bitfiber® U-DQ(ZN)BH



2. Bitfiber® DAC



3. Bitfiber® A-DQ2Y micro



Contact us

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