

Uni Tube Cable

ID: **BE01**

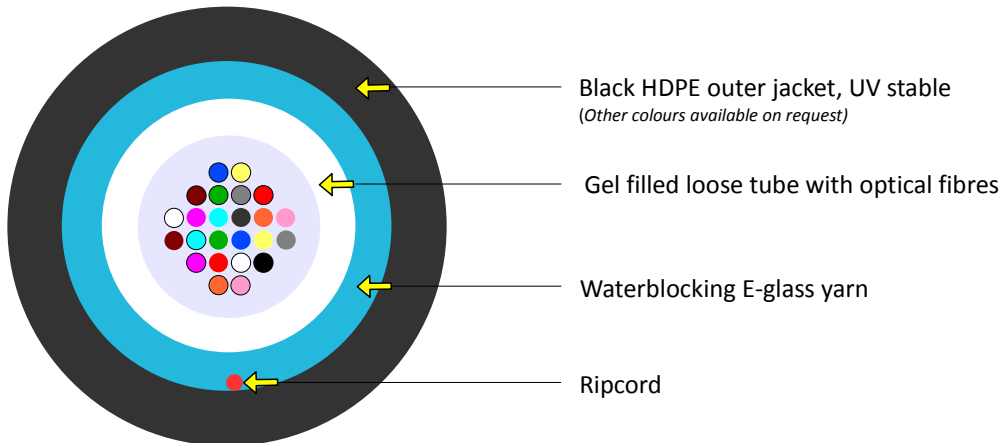


KABELOVNA Děčín Podmokly s.r.o.
Ústecká 840/33, 405 33 Děčín 5
Czech Republic
DIČ CZ26759993
tel.: +420 412 706 222
www.kabelovna.cz

2.11.2015 ver.4

A-DQ(BN)2Y max. 24F

This cable is suitable for outdoor installation.



Order example

2100 m A-DQ(BN)2Y 24E9/125G.657.A1 jacket colour BLK, cable specification BE01

Fibre colour coding

According to IEC 60304

1 Red	7 Brown	13 Red*	19 Brown*
2 Green	8 Violet	14 Green*	20 Violet*
3 Blue	9 Turquoise	15 Blue*	21 Turquoise*
4 Yellow	10 Black	16 Yellow*	22 Natur*
5 White	11 Orange	17 White*	23 Orange*
6 Grey	12 Pink	18 Grey*	24 Pink*

*with black rings

Other fibre colour sequences available on request

Sheet Marking

Print colour	White
Print method	INK-Jet or Hot-foil
Print legend	manufacturer's name, job number, type of cable, length marking @ 1 m intervals

Other print legends available on request

Packaging Standard put-up length

Plywood	up to 8000 m *
	* length toleration $\pm 5\%$

Fibre Type

Single mode fiber 9/125
Multi mode fiber 50/125
Multi mode fiber 62,5/125

See the Fibre Specification sheet

A-DQ(BN)2Y max. 24F

Mechanical and Environmental properties

Test	Value	Unit	Method	Comment
Cable outer diameter	5,8 ± 0,5	mm	EN 60811-1-1	
Cable weight	31	kg/km		- calculated
Outer jacket thickness	1,0	mm		
Loose tube diameter	3,0	mm		
Max. tensile strength	1100	N	EN 60794-1-21-E1	- max. fibre strain 0,5% - cable strain 0,6% - long term 150 N - no fibre strain for long term load - max. attenuation variation ≤ 0,05 dB at 1550 nm - no increase attenuation after the test
Crush resistance test	2000	N	EN 60794-1-21-E3	- plate dimension 100×100 mm - max. attenuation variation ≤ 0,05 dB at 1550 nm - duration of loading 1 min. - no increase attenuation after the test
Impact resistance test	20	Nm	EN 60794-1-21-E4	- 3 impact - no fibre cracking - max. attenuation variation ≤ 0,05 dB at 1550 nm - no increase attenuation after the test
Min. bend radius (no load)	15	× OD	EN 60794-1-21-E11a	- max. attenuation variation ≤ 0,05 dB at 1550 nm - no increase attenuation after the test
Min. bend radius (load)	20	× OD	EN 60794-1-21-E11b	- max. attenuation variation ≤ 0,05 dB at 1550 nm - no increase attenuation after the test
Moisture resistance test	pass		EN 60794-1-22-F5	- water height 1 m - sample length 3 m - no leakage on free sample end - duration of test 24h
Temperature range	Installation Operation Storage	-15 to +50°C -20 to +70°C -20 to +70°C	EN 60794-1-22-F1	- max. attenuation variation ≤ 0,1 dB at 1550 nm - Dwell time acc. to EN 60794-1-22 - When installing or assembly under temperature bellow 5°C cable has to be stock in temp of 20°C at least 24h before installation. - no increase after the test

Cable life time - minimum 30 years

