

Uni Tube Cable

ID: **AE01**

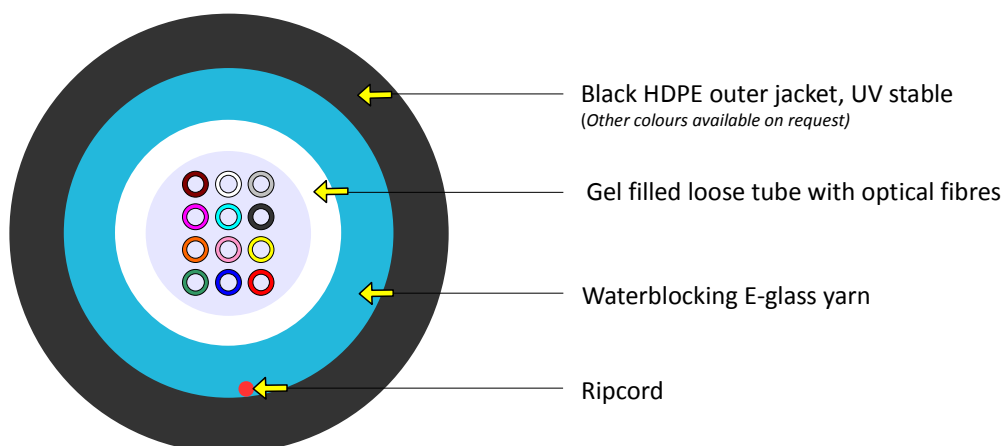


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A-DQ(BN)2Y max. 12F

This cable is suitable for outdoor installation.



Order example

2100 m A-DQ(BN)2Y 12E9/125G.657.A1 jacket colour BLK, cable specification AE01

Fibre colour coding

According to IEC 60304

1 Red	7 Brown
2 Green	8 Violet
3 Blue	9 Turquoise
4 Yellow	10 Black
5 White	11 Orange
6 Grey	12 Pink

Other fibre colour sequences available on request

Sheat 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

Fibre Type

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

See the Fibre Specification sheet

Packaging Standard put-up length

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

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Mechanical and Environmental properties

Test	Value	Unit	Method	Comment
Cable outer diameter	5,4 ± 0,5	mm	EN 60811-1-1	
Cable weight	27,5	kg/km		- calculated
Outer jacket thickness	1,0	mm		
Loose tube diameter	2,5	mm		
Coefficient of friction	0,1			
Max. tensile strength	1100	N	EN 60794-1-2-E1	- max. fibre strain 0,5% - cable strain 0,6% - 150 N no fibre strain - max. attenuation variation ≤ 0,05 dB at 1550 nm - no increase attenuation after the test
Crush resistance test	2000	N	EN 60794-1-2-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 60794-1-2-E4	- 3 impact - no fibre cracking
Min. bend radius (no load)	15	× OD	EN 60794-1-2-E11a	- max. attenuation variation ≤ 0,05 dB at 1550 nm - no increase attenuation after the test
Min. bend radius (load)	20	× OD	EN 60794-1-2-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

