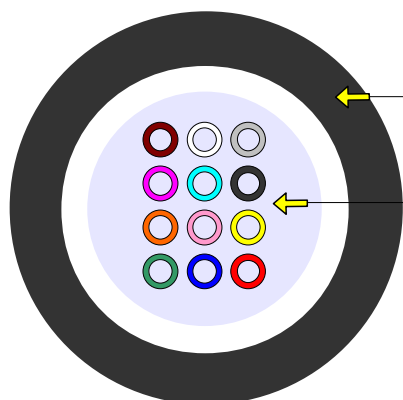


A-D2Y HD Blown Cable 2,5 mm max. 12F

This cable is suitable for outdoor installation.



Black HDPE outer jacket, UV stable
Other jacket colours available on request

Gel filled PBT loose tube with optical fibres

Order example

2100 m A-D2Y HD 4E9/125G.657.A1 jacket colour BLK, cable specification Z167

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 (G.657A&B)

See the Fibre Specification sheet

Packaging Standard put-up length / Drum size

Plywood	2100 m	450
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A-D2Y HD Blown Cable 2,5 mm max. 12F

Mechanical and Environmental properties

Test	Value	Unit	Method	Comment
Cable outer diameter	2,5 ± 0,1	mm	EN 60811-1-1	
Cable weight	5,6	kg/km		- calculated
Outer jacket thickness	0,4	mm		
Loose tube diameter	1,7	mm		
Max. tensile strength	40	N	EN 60974-1-2-E1	- max. fibre strain 0,6% - max. attenuation variation ≤ 0,1 dB at 1550 nm
Crush resistance test	1000	N	EN 60974-1-2-E3	- plate dimensions 100×100 mm - max. attenuation variation ≤ 0,1 dB at 1550 nm - duration of loading 1 min.
Impact resistance test	3	Number of impact	EN 60974-1-2-E4	- impact energy 3 Nm, slightly damaged jacket - impact energy 5 Nm, no jacket cracking - max. attenuation variation ≤ 0,1 dB at 1550 nm
Min. bend radius (no load)	10	× OD	EN 60974-1-2-E11A	- max. attenuation variation ≤ 0,2 dB at 1550 nm
Min. bend radius (load)	15	× OD	EN 60974-1-2-E11B	- max. attenuation variation ≤ 0,2 dB at 1550 nm
Moisture resistance test	pass		EN 609794-1-22-F5	- water height 1 m - sample length 3 m - no leakage on free sample end - duration of test 24h
Temperature range	Installation	-15 to +50°C	EN 60794-1-22-F1	- max. attenuation variation ≤ 0,15 dB at 1550 nm, reversible - Dwell time acc. to EN 60794-1-22-F1. - When installing or assembly under temperature below 5°C cable has to be stock in temp of 20°C at least 24h before installation.
	Operation	-20 to +70°C		
	Storage	-20 to +70°C		

Cable life time - minimum 30 years

