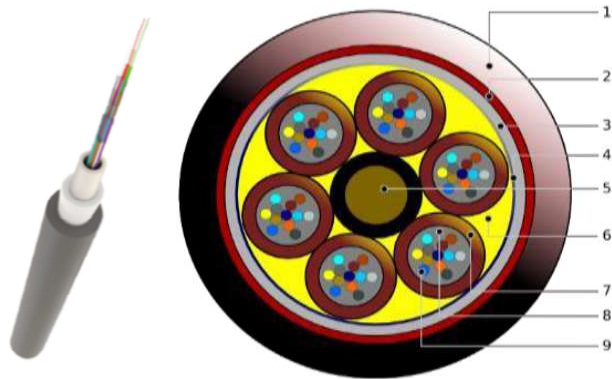




## A-DQ(BN) 2Y Exterior

Dielectric Direct Burial cable  
A-DQ(BN) 2Y Outdoor



### Product description

Multi Loose Tube Non-Metallic Armored Single PE Jacket Duct/Buried Type Fiber Optic Cable “ A-DQ(BN)2Y-MLT “- Series having Multi Loose Tube structure which is made of an assembly of colored tubes around a central strength element. Outdoor cables guarantees the protection of cable where the mechanical damage risk exists and also to guarantee stability towards environmental influences such as frost and humidity. The interstices between tubes and central strength member are filled with petroleum jelly to prevent water penetration. Aramid yarns are helically applied over the tube to provide additional tensile strength to the cable.

Polyethylene (PE) sheath which is resistant to stress cracking and UV radiation.

### Features

- Metal free
- Enforced with Non-Metallic Strength Members
- Waterproof Moisture Barrier
- Polyethylene Outer Sheath
- Jelly Filled Tube
- UV-Resistant

### Cable construction

- 1 Outer Sheath PE
- 2 Swellable Tape
- 3 Glass Aramid Yarns
- 4 Swellable Yarn
- 5 Central Strength Member
- 6 Dry Core
- 7 Buffer Tube (PBT)
- 8 Thixotropic Jelly
- 9 Optical Fibers



All product specifications are subject to change without notice to improve reliability, function or design or otherwise.

*Opticonnect SYSTEMS B.V., an Optical Networking vendor with its headquarters in the Netherlands, provides Optical Transport solutions and Optical Transceivers at the best price performance ratio possible. Our goal is to simplify the planning, deployment and maintenance of*

*complex Optical Networks. This is achieved by our user friendly planning apps and information, sophisticated products and transparent support. Relying on our superior product quality, all items are supplied with life time warranty.*



## Ordering information

Partnumber	Description
OPT-CA-A-DQ(BN)2YDB-A1-48	Direct Burial Ext · SM G657.A1 9/125 · Dielectric Reinforced Multitube · 48 Fibers · PEHD
OPT-CA-A-DQ(BN)2YDB-A1-96	Direct Burial Ext · SM G657.A1 9/125 · Dielectric Reinforced Multitube · 96 Fibers · PEHD
OPT-CA-A-DQ(BN)2YDB-A1-144	Direct Burial Ext · SM G657.A1 9/125 · Dielectric Reinforced Multitube · 144 Fibers · PEHD
OPT-CA-A-DQ(BN)2YDB-A1-192	Direct Burial Ext · SM G657.A1 9/125 · Dielectric Reinforced Multitube · 192 Fibers · PEHD
OPT-CA-A-DQ(BN)2YDB-A2-48	Direct Burial Ext · SM G657.A2 9/125 · Dielectric Reinforced Multitube · 48 Fibers · PEHD
OPT-CA-A-DQ(BN)2YDB-A2-96	Direct Burial Ext · SM G657.A2 9/125 · Dielectric Reinforced Multitube · 96 Fibers · PEHD
OPT-CA-A-DQ(BN)2YDB-A2-144	Direct Burial Ext · SM G657.A2 9/125 · Dielectric Reinforced Multitube · 144 Fibers · PEHD
OPT-CA-A-DQ(BN)2YDB-A2-192	Direct Burial Ext · SM G657.A2 9/125 · Dielectric Reinforced Multitube · 192 Fibers · PEHD



## Cable coding system

CA-ADQ(ZN)2YMC-A1-144

Example

Field of application	
Indoor Cable	I
Outdoor Cable	A
Universal Cable	U

Buffered Fiber Type	
Tight Buffered Fiber	V
Gel-Filled Loose tube	D
Fel-filled Plastic tube	W

Constructional composition	
Dry core, Longitudinally watertight	Q
Grease filled	F
Non-metallic strain relief	(ZN)
Steel strain relief	(ZS)
Armour	B
Corrugated steel cladding	W

Inner Jacket Mixtures	
PVC (Polyvinyl Cholride)	Y
PE (Polyethylene)	2Y
PA (Plyamide)	4Y
ETFE (Tetrafluoroethylene)	7Y
PP (Polypropylene)	9Y
PUR (Polyurethane)	11Y
H (FRNC Jacket; TPE-O)	H

Fiber amount	
36 Fibers	36
48 Fibers	48
60 Fibers	60
72 Fibers	72
96 Fibers	96
144 Fibers	144
192 Fibers	192
288 Fibers	288
576 Fibers	576

Fiber type	
Singlemode G652.D	2D
Singlemode G657.A1	A1
Singlemode G657.A2	A2
Multimode OM1	M1
Multimode OM2	M2
Multimode OM3	M3
Multimode OM4	M4

Cable Type	
Micro Cable Multitube	MC
Micro Cable Unitube	MU
EPFU Cable	EP
Tactical Fiber Cable	TF
Breakout Cable	BO
Direct Burial Cable	DB



## Performance specifications

Cable Construction				
Fiber Count	48	96	144	192
Tubes x Fibers	4x12	8x12	12x12	16x12
Loose Tube Ø (mm)	2,3			
Loose Tube Jacket	PBT			
Strength Member	FRP			
Armour	Swellable Aramid Yarns			
Outer Jacket	Polyethylene (black)			
Outer Ø (mm) ± 0.5				14
Tensile Load Perm/Inst (N)	1500/2700			
Attenuation (max dB/km)	0,35 / 0,22			
Crush Resistance (N)	2000 (IEC 60794-1-2 E3)			
Temperature Range	-30°C to 70°C (IEC 60794-1-2 F1)			
Min Bending Radius	20x Outer Ø (IEC 60794-1-2 E11)			