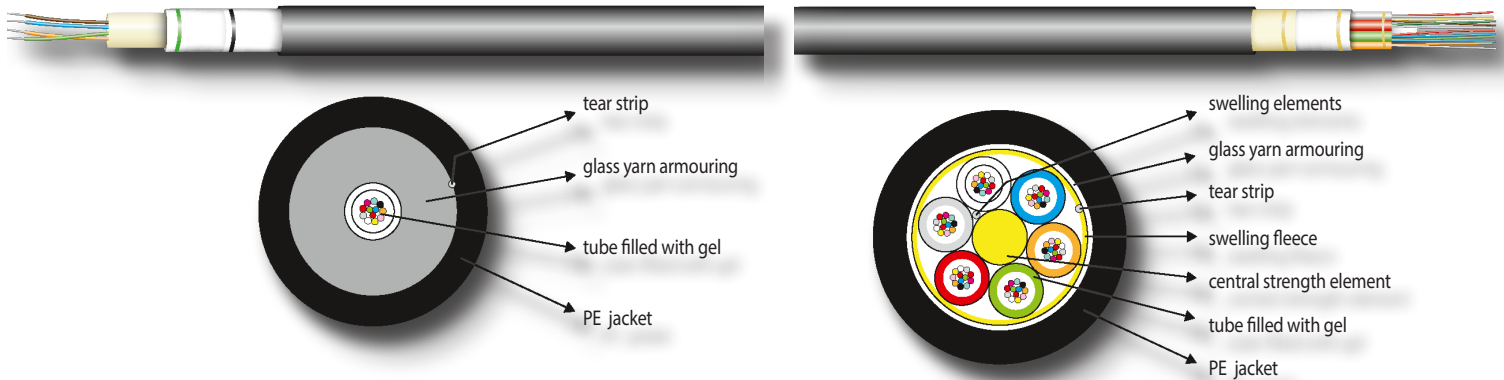


# DATASHEET

## Outdoor Cable A-DQ (ZN) B2Y



**Central tube up to 24 Fiber**

**Loose tube 48 up to 144 Fibers**

### Specifications

#### Application:

- Outdoor
- Suitable for direct burial, duct or shaft installation
- Primary cabling (Campus), Backbone

#### Characteristics:

- PE jacket black, non-metallic, longitudinal water tight, halogen free
- UV resistant, rodent resistant
- Suitable for blowing in application
- Central/Loose tubes, 250µm coating

### Technical data

#### Standards:

- Longitudinal water tight: IEC 60794-1-2
- Transmission specifications: IEC 60793, ITU-T G657A1 bend insensitive, G651
- Cabling: ISO/IEC 11801, EN 50173

#### Temperature Range:

- Operation: -20°C ~ 70°C / G657A1 fiber -40°C ~ 70°C
- Transport /Storage: -30°C ~ 70°C
- Installation: - 5°C ~ 50°C

### Optical Data

Fiber (µm), Type	62.5/125 Multimode OM1	50/125 Multimode OM2	50/125 Multimode OM3	50/125 Multimode OM4	9/125 Singlemode G657.A1
Fiber category	OM1	OM2	OM3	OM4	G657.A1
Wavelengths (nm)	850 / 1300	850 / 1300	850 / 1300	850 / 1300	full spektrum
Typ. attenuation (dB/km):	≤ 3.2 / ≤ 0.9	≤ 2.7 / ≤ 0.7	≤ 2.7 / ≤ 0.8	≤ 2.7 / ≤ 0.8	≤ 0.4
Over Filled Launch Bandwidth (OFL = Over Filled Launch) MHz*km	200 / 500	500 / 500	1500 / 500	3500 / 500	- / -
Minimum Effective Modal Bandwidth (EMB) MHz*km	- / -	- / -	2000 / -	4700 / -	- / -



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## Order data

	Art.-No.	Tubes/Fibers	VDE-Type	Cable	Weight	Tensile Force	Bending Radius
G657A (OS2) 9/125µ	55404.1	04E ( 1 x 4 ) Singlemode G657A	A-DQ(ZN)B2Y 04E9/125	7,0 mm	50kg / km	1600 N	140 mm
	55408.1	08E ( 1 x 8 ) Singlemode G657A	A-DQ(ZN)B2Y 08E9/125	7,0 mm	50kg / km	1600 N	140 mm
	55412.1	12E ( 1 x 12 ) Singlemode G657A	A-DQ(ZN)B2Y 12E9/125	7,0 mm	50kg / km	1600 N	140 mm
	55424.1	24E ( 1 x 24 ) Singlemode G657A	A-DQ(ZN)B2Y 24E9/125	7,4 mm	57kg / km	1600 N	150 mm
	55448.1	48E ( 4 x 12 ) Singlemode G657A	A-DQ(ZN)B2Y 48E9/125	10,6 mm	96kg / km	3500 N	170 mm
	55472.1	72E ( 6 x 12 ) Singlemode G657A	A-DQ(ZN)B2Y 72E9/125	11,4 mm	105kg / km	4000 N	230 mm
	55496.1	96E ( 8 x 12 ) Singlemode G657A	A-DQ(ZN)B2Y 96E9/125	10,1 mm	88kg / km	6000 N	155 mm
	554144.1	144E (12 x 12 ) Singlemode G657A	A-DQ(ZN)B2Y 144E9/125	16,3 mm	205kg / km	5500 N	330 mm
OM4 50/125µ	55204.1OM4	04G ( 1 x 4 ) Multimode OM4	A-DQ(ZN)B2Y 04G50/125	7,0 mm	50kg / km	1600 N	140 mm
	55208.1OM4	08G ( 1 x 8 ) Multimode OM4	A-DQ(ZN)B2Y 08G50/125	7,0 mm	50kg / km	1600 N	140 mm
	55212.1OM4	12G ( 1 x 12 ) Multimode OM4	A-DQ(ZN)B2Y 12G50/125	7,0 mm	50kg / km	1600 N	140 mm
	55224.1OM4	24G ( 1 x 24 ) Multimode OM4	A-DQ(ZN)B2Y 24G50/125	7,4 mm	57kg / km	1600 N	150 mm
	55248.1OM4	48G ( 4 x 12 ) Multimode OM4	A-DQ(ZN)B2Y 48G50/125	10,6 mm	96kg / km	3500 N	170 mm
OM3 50/125µ	55204.1OM3	04G ( 1 x 4 ) Multimode OM3	A-DQ(ZN)B2Y 04G50/125	7,0 mm	50kg / km	1600 N	140 mm
	55208.1OM3	08G ( 1 x 8 ) Multimode OM3	A-DQ(ZN)B2Y 08G50/125	7,0 mm	50kg / km	1600 N	140 mm
	55212.1OM3	12G ( 1 x 12 ) Multimode OM3	A-DQ(ZN)B2Y 12G50/125	7,0 mm	50kg / km	1600 N	140 mm
	55224.1OM3	24G ( 1 x 24 ) Multimode OM3	A-DQ(ZN)B2Y 24G50/125	7,4 mm	57kg / km	1600 N	150 mm
	55248.1OM3	48G ( 4 x 12 ) Multimode OM3	A-DQ(ZN)B2Y 48G50/125	10,6 mm	96kg / km	3500 N	170 mm
OM2 50/125µ	55204.1	04G ( 1 x 4 ) Multimode OM2	A-DQ(ZN)B2Y 04G50/125	7,0 mm	50kg / km	1600 N	140 mm
	55208.1	08G ( 1 x 8 ) Multimode OM2	A-DQ(ZN)B2Y 08G50/125	7,0 mm	50kg / km	1600 N	140 mm
	55212.1	12G ( 1 x 12 ) Multimode OM2	A-DQ(ZN)B2Y 12G50/125	7,0 mm	50kg / km	1600 N	140 mm
	55224.1	24G ( 1 x 24 ) Multimode OM2	A-DQ(ZN)B2Y 24G50/125	7,4 mm	57kg / km	1600 N	150 mm
	55248.1	48G ( 4 x 12 ) Multimode OM2	A-DQ(ZN)B2Y 48G50/125	10,6 mm	96kg / km	3500 N	170 mm
OM1 62,5/125µ	55304.1	04G ( 1 x 4 ) Multimode OM1	A-DQ(ZN)B2Y 04G62,5/125	7,0 mm	50kg / km	1600 N	140 mm
	55308.1	08G ( 1 x 8 ) Multimode OM1	A-DQ(ZN)B2Y 08G62,5/125	7,0 mm	50kg / km	1600 N	140 mm
	55312.1	12G ( 1 x 12 ) Multimode OM1	A-DQ(ZN)B2Y 12G62,5/125	7,0 mm	50kg / km	1600 N	140 mm
	55324.1	24G ( 1 x 24 ) Multimode OM1	A-DQ(ZN)B2Y 24G62,5/125	7,4 mm	57kg / km	1600 N	150 mm



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