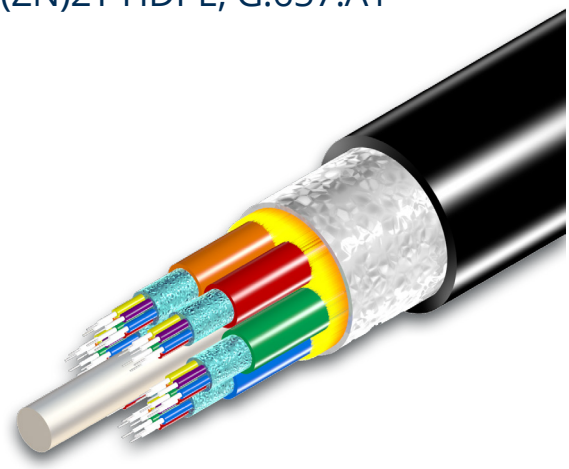
A-DQ 48 G657A1 DIN 4X12

Außenkabel mit HDPE Mantel, 48 Fasern, A-DQ(ZN)2Y HDPE, G.657.A1

Features

- Singlemode, biegeunempfindliche G.657A1 Faser
- Aussenmantel besteht aus HDPE (High Density Polyethylen)
- Metrierung am Kabel, inkl. Beschreibung via Inkjetdruck
- Faserbündel mit Wasserabweisenden Gel gefüllt
- Metallfreie Konstruktion
- Einblasfähig in 50mm- Rohrsysteme
- Geeignet für Anwendungen im Aussenbereich
- UV Beständig nach ISO 4892/2
- Zugentlastung durch Aramidgarn

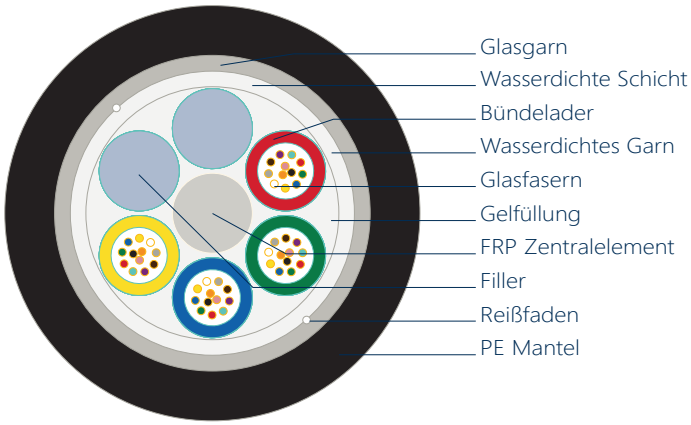


Color Code of the Fiber

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

Color Code of Tubes

1	2	3	4
Red	Green	Blue	Yellow



All names and symbols mentioned here are property of the respective manufacturer.
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Außenkabel mit HDPE Mantel, 48 Fasern, A-DQ(ZN)2Y HDPE, G.657.A1

Dimensions and Descriptions		
Item	**contents**	**48**
Structure	Type	1+6
Loose Tube	Fiber counts/tube	12
	Outer diameter (mm)	2,1
Central strength member	Material	FRP
	Diameter (mm)	2,25
	Diameter of PE layer	--
Water blocking	Material	Water blocking tape & yarn
Peripheral strength member	Material	Glass yarn
Sheath	Material	HDPE
	Color	Black
	Thickness (mm)	Nominal: 1.5
Ripcord	Number	2
Cable diameter Approx.		11
Cable weight (kg/km) Approx.		105

Mechanical Performance of Cable			
Item	**Tension(N)**	**Crush (N/100mm)**	
		Short term	Long term
48	5000	1500	750

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Außenkabel mit HDPE Mantel, 48 Fasern, A-DQ(ZN)2Y HDPE, G.657.A1

Mechanical, Physical and Environmental Test Characteristics

The mechanical and environmental performance of the cable are in accordance with the following table. Unless otherwise specified, all attenuation measurements required in this section shall be performed at 1550nm.

Items	Test Method	Requirements
Tensile performance	IEC 60794-1-2-E1 Load: 5000N Sample length: Not less than 50m. Duration time: 1min.	Fibre strain: ≤0.6% Additional attenuation: ≤0.1dB after test No damage to outer jacket and inner elements
Crush	IEC 60794-1-2-E3 Load: 1500N Duration of load: 1min.	Additional attenuation: ≤0.1dB after test No damage to outer jacket and inner elements
Impact	IEC 60794-1-2-E4 Radius: 300 mm Impact energy: 10 J Impact number: 1 Impact points: 3	Additional attenuation: ≤0.1dB No damage to outer jacket and inner elements
Repeated bending	IEC 60794-1-2-E6 Bending radius: 20*D Cycles: 25 Load: 150N	Additional attenuation: ≤0.1dB No damage to outer jacket and inner elements
Torsion	IEC 60794-1-2-E7 Cycles:10 Length under test: 1m Turns: ±180° Load: 150N	Additional attenuation: ≤0.1dB No damage to outer jacket and inner elements
Water Penetration	IEC 60794-1-2-F5 Time: 24 hours Sample length: 3m Water height: 1m	No water leakage
Temperature cycling	IEC 60794-1-2-F1 Sample length: at least 1000m Temperature range:-40 °C~+70 °C Cycles: 2 Temperature cycling test dwell time: 12 hours	The change in attenuation coefficient shall be less than 0.05 dB/km
Other parameters	According to IEC 60794-1	

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