



TECHNICAL DATA SHEET
CABLE CONSTRUCTION
AI-DQ(ZN)BH 12G 50/125 μ
12 CORES MULTI MODE (50/125)
INDOOR / OUTDOOR TYPE
FIBER OPTIC CABLES

TECHNICAL DATA SHEET
SECTION 1
CABLE CONSTRUCTION

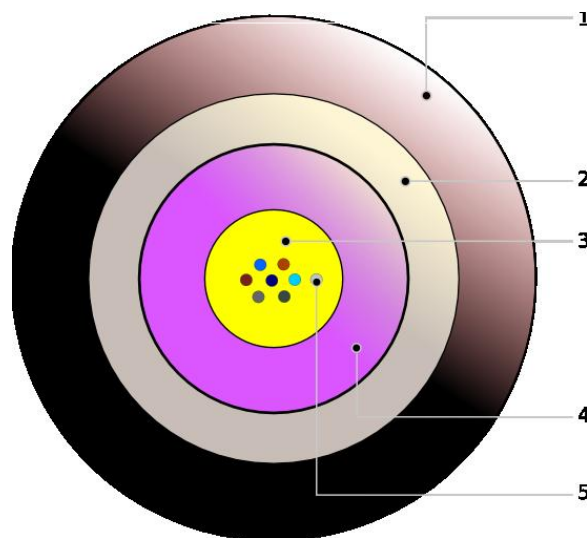
Characteristics		Offered by the Tenders
1.No of tubes		1 (One Tube)
2.No of Fibers per Cable		12 Fibers
3.Loose tube -Material - Diameter -Type of filling compound		- Polybuteneterepheteleta (PBT) - 3,5 mm - Thyrotrophic jelly
4. Tensile strength member -Material		- Glass yarn
5.Outer Sheath -Material and Thickness		- LSOH-UV - 1,5 mm thickness
6.Identification		<i>DIGITUS D-35121-U AI-DQ(ZN)BH 12 FO MM 50 /125 OM2 RoHS 80291 E90-01 MM/YY "XXXX" M</i>
7.Drum Length		2000 meters ($\pm 10\%$)
8. Cable weight (kg/km) approx.		80 kg / Km
9. Outer Diameter of cable approx.		7 mm
10.Test results of Mechanical characteristics		
-Tensile strength	IEC – 974-1-E1	-900 / 1200 N
- Bending radius	IEC – 974-1-E11	- 15 X O. Diameter of cable (Static) - 20 X O. Diameter of cable (dynamic)
- Storage & Operating Temperature	IEC – 974-1-F1	- -40 degree to +70 degree
- Impact Resistance	IEC – 974-1-E4	-20nm
- Crush Resistance	IEC – 974-1-E3	- 1500 N
Repeated Bending	IEC – 974-1-E6	- 10xD / 50N Load (10 Bending)



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SECTION 2
Attenuation for cable

Ref (nm)	Max.
850	3,2 dB/km
1300	1,0 dB/km

TECHNICAL DATA SHEET
SECTION 3
TECHNICAL DRAWING



- 1 Outer Sheath (LSOH-UV Jacket)
- 2 Glass Yarn
- 3 Filling Material
- 4 Central Tube
- 5 12 Fibers per Cable

TECHNICAL DATA SHEET
SECTION 4
OPTICAL FIBER CORE SPECIFICATIONS
Draka-Comteq **“Graded Index-50/125”** MULTIMODE MODE FIBER