



TECHNICAL DATA SHEET
CABLE CONSTRUCTION
AI-DQ(ZN)BH 8G 50/125u
8 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		8 Fibers
3.Loose tube -Material - Diameter		- Polybuteneterephtheleta (PBT) - 3,5 mm
-Type of filling compound		- 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 DK-35081-U AI-DQ(ZN)BH 8 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		-900 / 1200 N - 15 X O. Diameter of cable (Static) - 20 X O. Diameter of cable (dynamic) - -40 degree to +70 degree -20nm - 1500 N - 10xD / 50N Load (10 Bending)
-Tensile strength	IEC – 974-1-E1	
- Bending radius	IEC – 974-1-E11	
- Storage & Operating Temperature	IEC – 974-1-F1	
- Impact Resistance	IEC – 974-1-E4	
- Crush Resistance	IEC – 974-1-E3	
Repeated Bending	IEC – 974-1-E6	



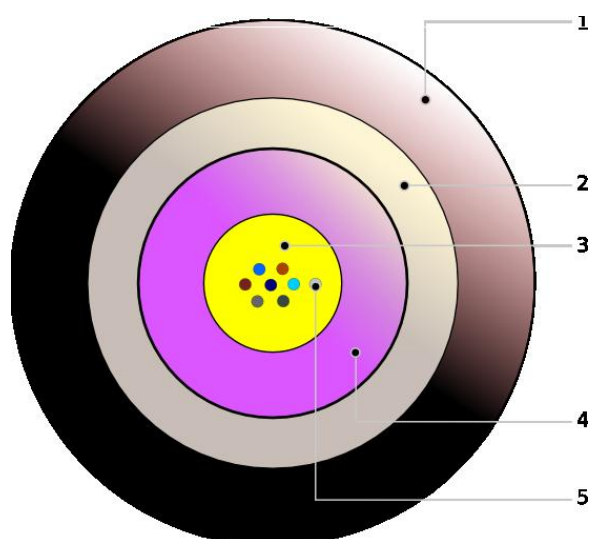
TECHNICAL DATA SHEET
SECTION 2

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 8 Fibers per Cable

TECHNICAL DATA SHEET
SECTION 4

OPTICAL FIBER CORE SPECIFICATIONS

Draka-Comteq **“Graded Index-50/125”** MULTIE MODE FIBER