



TECHNICAL DATA SHEET
CABLE CONSTRUCTION
AI-DQ(ZN)BH 8XE09/125μ
8 CORES SINGLE MODE (9/125)
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 -Type of filling compound		- Polybuteneterephtheleta (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 DK-39801-U AI-DQ(ZN)BH 8 FO SM 9/125 RoHS 80291 E90-01 MM/YY "XXXX" M</i>
7.Drum Length		2000 meters (± 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

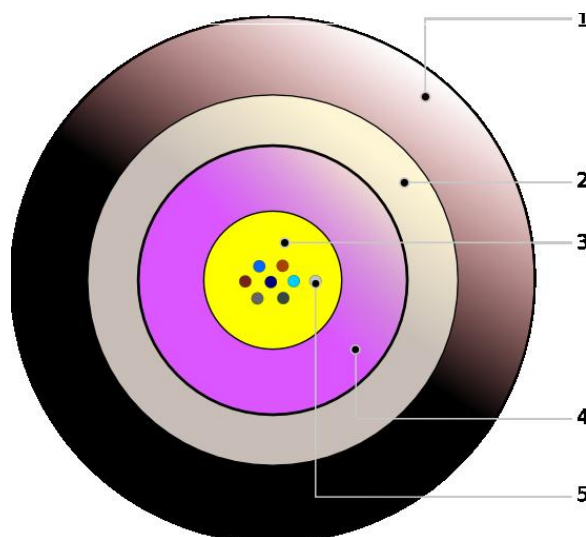
Attenuation for cable

Ref (nm)	Max.
1310	0,36 dB/km
1550	0,22 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

SUMITOMO **"PureBand"** SINGLE MODE FIBER