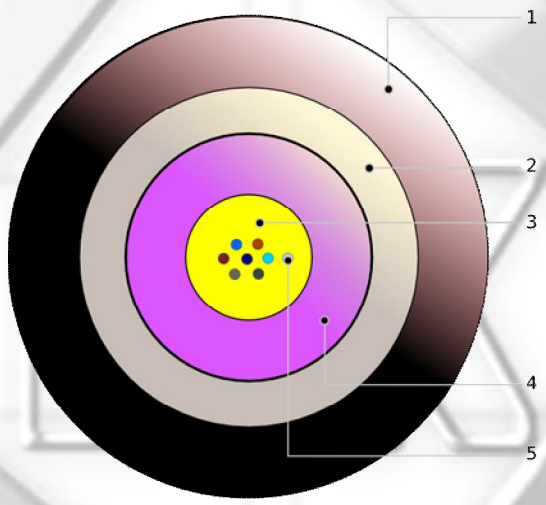
SM-SLT-NMA-SJ-12FO
A-DQ(ZN)B2Y-12FO
TECHNICAL DATASHEET
SECTION 2
CABLE CONSTRUCTION
SINGLE MODE FIBER OPTIC CABLES with SINGLE SHEATH, NON METALIC ARMOR
12 CORES FIBER OPTIC CABLES

Characteristics	
1. No of tubes	- 1 (One) tube
2. No of Fibres per tube	- 12 fibres
3.Loose tubes -Material -Type of filling compound	 - Polybuteneterephteleta (PBT) - Thyrotrophic jelly
4. Strength member	- Glass yarn
5.Outer Sheath -Material -Thickness	 - HDPE outer sheath Material - 1,5 mm thickness
6.Outer Diameter (Approx.)	- 8 mm
7.Length marking	- White, hot stamping
8.Printing Legend	- Name of Manufacturer, Year of Manufacture, code of cable, Meter Marking.
9.Drum Length	- 2000 meters ± 10 %
10. Cable Weight (Approx.)	- 55 Kg / Km
11. Test results of Mechanical characteristics -Tensile strength - Bending radius -Operating temperature range for shipping, storage and operating -Operating temperature range for installation	 -1200 N - 10 X O. Diameter of cable (Static) - 20 X O. Diameter of cable (dynamic) - (-40) degree to (+70) degree -(-20) degree to (+70) degree

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
CONSTRUCTION



1. **Outer Sheath (PE)**
2. **Glass Yarn (Rodent Protection)**

*** Water swelling tape between the glass yarn and PBT tube.**

3. **Filling Material (Thxotropic Jelly)**
4. **Central Uni Tube (PBT)**
5. **12 Fibers per Cable**

TECHNICAL DATASHEET
SECTION 4
OPTICAL FIBER SPECIFICATION
SINGLE MODE

Characteristics	Offered by the Tenderers
1. Fiber material -Core -Cladding -Coating	Single mode, complying with ITU-T G 652 recommendation. - 9.2 ± 0.6 um High grade silica - 125.0 ± 1.0 um silica cladding - 242 ± 7 um UV cured acrylate based coating
2. Geometrical specification -Mode field diameter (1310 nm) -Mode field diameter (1550 nm) Cladding diameter -Primary coating diameter -Mode field concentricity error -Cladding non-circularity -Cladding concentricity error -Coating non-circularity	 - 9.2 ± 0.4 um - 10.4 ± 0,5 um - 125.0 ± 0,71 um - 245 ± 10 um - < 1.2 um - % ≤ 1.0 - ≤ 0.6 um - ≤ 6 %
3. Optical and performance specification -Attenuation at 1310 nm (dB/km) -Attenuation at 1550 nm (dB/km) -Fiber cut-off wavelength -Cable cut-off wavelength - Chromatic dispersion coefficient at 1550 nm - Chromatic dispersion coefficient at 1285 to1330 nm - Zero dispersion wave length	 - 0.34 dB/km - 0.21 dB/km - 1250 – 1270 Nm - ≤ 1260 nm - ≥ 17,5 ps/nm.km - ≥ 3,2 ps/nm.km - 1300 nm≤ -1322 nm