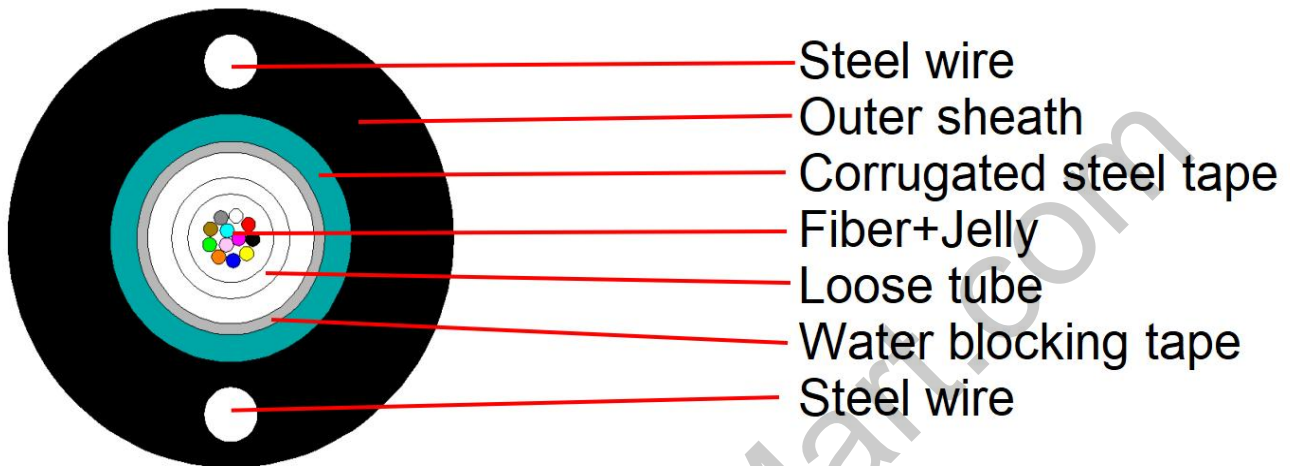


GYXTW 12F SM G652D PE Black OD8.3

1. Cable structure:



2. Cable construction details :

| Items | | Description |
|-------------------------------|----------|-----------------------------|
| Number of fiber | | 12F |
| Fiber | type | G652D |
| Loose tube | material | PBT |
| | color | Nature |
| | diameter | 2.2±0.1mm |
| Strength member | material | Steel wire |
| | diameter | 0.8mm x 2 nos |
| Armoring | material | Corrugated steel tape |
| Moisture Barrier | material | Water blocking tape & Jelly |
| Outer sheath | material | PE |
| | color | Black |
| | diameter | 8.3±0.5mm |
| Cable weight (Kg/Km) | | 70 |
| Installation Temperature (°C) | | -10+50 |

| | | |
|----------------------------|------------|--------|
| Operation Temperature (°C) | | -40+70 |
| Tensile Strength(N) | Long term | 750 |
| | Short term | 1500 |
| Crush Resistance (N/100m) | Long term | 1000 |
| | Short term | 2000 |
| Min Bending Radius(mm) | Long term | 20D |
| | Short term | 15D |

3.Standard color of fiber

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

4.Fiber characteristic

| Characteristics | Conditions | Specified Values | Unit |
|---|-------------|------------------|------------------------|
| Attenuation | 1310nm | ≤0.36 | dB/KM |
| | 1550nm | ≤0.25 | dB/KM |
| Attenuation vs.Wavelength Max. αdifference | 1285-1330nm | ≤0.03 | dB/KM |
| | 1525-1575nm | ≤0.02 | dB/KM |
| Zero dispersion wavelength | | 1312±10 | nm |
| Zero dispersion slope | | ≤0.090 | ps/nm ² .km |
| PMD | | - | |
| Maximum Individual Fiber | | ≤0.2 | ps/√km |
| Link Design Value (M=20,Q=0.01%) | | ≤0.1 | ps/√km |
| Typical value | | 0.04 | ps/√km |
| Cable cutoff wavelength λ _∞ | | ≤1260 | nm |
| Mode field diameter (MFD) | 1310nm | 9.2±0.4 | um |
| | 1550nm | 10.4±0.5 | um |
| Effective group index of refraction | 1310nm | 1.466 | - |
| | 1550nm | 1.467 | - |
| Point discontinuities | 1310nm | ≤0.05 | dB |
| | 1550nm | ≤0.05 | dB |
| Geometrical Characteristics | | | |
| Cladding diameter | | 124.8±0.7 | um |
| Cladding non-circularity | | ≤0.7 | % |
| Coating diameter | | 254±5 | um |
| Coating-cladding concentricity error | | ≤12.0 | um |
| Coating non-circularity | | ≤6.0 | % |
| Core-cladding concentricity error | | ≤0.5 | um |
| Curl (radius) | | ≥4 | m |