

## GYXTW

### Optical Fiber Cable PSP Armored Central Tube Duct Installation



1. Strength Member: two phosphate steel wires.
2. Loose Tube: thermoplastic material, containing opticalfibres and water blocking yarm.
3. Longitudinal Water Blocking Material: Water blocking tape.
4. Armor: corrugated steel tape.
5. Outer Sheath: black polyethylene.

### Features and Applications:

High crush resistance.

Small diameter and light weight.

Duct or direct buried installation or aerial installation together with tension strand wire.

### Optical Characteristics:

		G.652.D	G.655	50/125um	62.5/125um
Attenuation	@850nm	-	-	≤3.0 dB/km	≤3.0 dB/km
	@1300nm	-	-	≤1.0 dB/km	≤1.0 dB/km
	@1310nm	≤0.36 dB/km	≤0.40 dB/km	-	-
	@1550nm	≤0.22 dB/km	≤0.23 dB/km	-	-
Bandwidth	@850nm	-	-	≥500 MHz · km	≥200 MHz · km
	@1300nm	-	-	≥1000 MHz · km	≥600 MHz · km
Polarization mode dispersion	Individual fibre	≤0.20 ps/√km	≤0.20 ps/√km	-	-
	Design link value (M=20,Q=0.01%)	≤0.1 ps/√km	≤0.1 ps/√km	-	-

## Technical Data:

Item	Contents	Value		
	Fibre Count	6	12	24
Loose Tube	No. of tubes*fibres per tube	1x6	1x12	1x24
	Outer diameter (mm)	3.0	3.0	3.2
Water blocking tape	Longitudinal Water Blocking Material			
Armor	Corrugated steel tape			
Outer Sheath	Black polyethylene			
Strength Member	Two phosphate steel wires (Diameter 1.2mm)			
Cable diameter(mm) Approx.		10.6		
Cable weight(kg/km) Approx.		100		
Operating temperature range(℃)		-40~+70		
Tensile Strength Short/ Long Term(N)		1500/600		
Crush resistance short/long term (N/100mm)		3000/1000		

The colour arrangement of fibre and tube is specified in the colour identification table.

Other structure and fibre count are also available according to customer requirements.