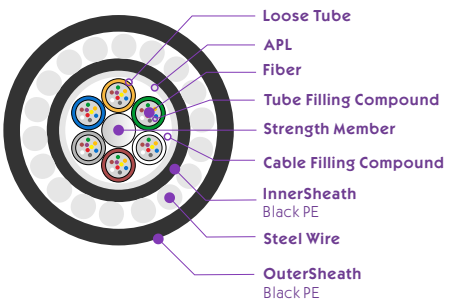
DIRECT BURIED

GYTA33
Stranded Loose tube
Single-steel-wire Cable



Features and Applications

- ✓ Excellent mechanical and temperature performance
- ✓ Better tensile strength performance with steel wires
- ✓ Critical protection to fibers, based on the excellent hydrolysis resistance and strength performance of tube material and special filling compound filled in the tube
- ✓ Excellent crush resistance
- ✓ The following measures are taken to ensure the water blocking performance of the cable:
  Single steel wire used as the central strength member
  A special water-blocking filling compound in the loose tube
  100% cable core filling APL moisture barrier

The products are especially applicable for the installation in the freshwater and shallow water area. It doesn't need the junction, and can be used for the wiring under the water with shorter communication distance .The water-blocking materials are distributed into interstices of the cable core. An APL is longitudinally applied around the cable core, then covered with a PE inner sheath; and the single/double layer of steel wires is applied over the PE inner sheath before a PE outer sheath is extruded over it.
Application: Duct/Direct buried

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	Fibers					
	Fiber Count	30	36	60	72	96	144
Loose Tube	Element numbers	5	6	6	6	6	6
Inner Cable Diameter(mm) Approx.		8.5	8.8	9.2	9.8	10.5	11
Steel Wire Diameter(mm) Approx.		1.0*28	1.0*29	1.0*30	1.0*32	1.5*24	1.5*24
Cable diameter(mm) Approx.		14.5	15	15.5	16	18	21
Cable Weight(mm) Approx.		350	370	380	430	510	640
Water Blocking	Material	Special water-blocking filling compound in the loose tube					
Peripheral Strength	Material	Steel Wires					
Operating temperature range(℃)		From -40~+70					
MAT		Design according to customer requirements					

✓ Other structure and fibre count are also available according to customer requirements.
✓ Cable diameter and weight in this table is typical value, which will fluctuate according to different designs.
✓ Needs to be recalculated due to other climate conditions according to the installation area.