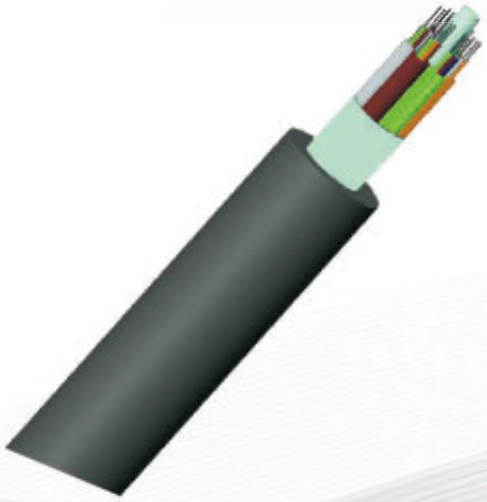
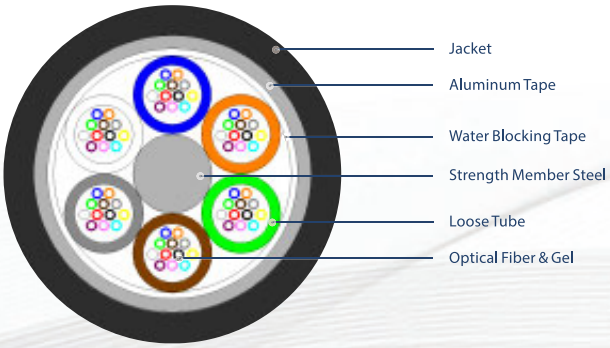
OUTDOOR CABLE

GYTA





Description

The GYTA optical cable structure is to sheath 250 μ m optical fiber into a loose tube made of high modulus material, and the loose tube is filled with waterproof compound. The center of the cable core is a metal reinforced core, the loose tube (and filling rope) is twisted around the central reinforced core to form a compact and circular cable core, and a layer of water blocking tape is added to the cable core. Plastic coated aluminum tape (APL) is longitudinally wrapped and then extruded with a layer of polyethylene outer sheath to form a cable.

Features

- Have good mechanical properties and temperature characteristics, good pressure resistance.
- The loose tube material itself has good water resistance and high strength.
- The tube is filled with special grease to protect the optical fiber critically.
- Specially designed compact optical cable structure, effectively preventing the sleeve from retracting.
- PE sheath has good anti-ultraviolet radiation performance.

Applications

- Long-distance communication, inter-office communication and fiber optic cable entry.
- Suitable for power system, heavy thunder and lightning and severe electromagnetic interference occasions.
- The optical cable complies with YD/T901-2009 and IEC60794-1 standards.

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Cable Parameters

Fiber Count	Cable Diameter mm	Cable Weight Kg/km	Tensile Long/ Short Term (N)	Crush Long/Short Term N/100m	Bending Radius Static/Dynamic mm	Temperature ℃
2~30	9.6	77	1000/2000	300/1000	10D/20D	-40~+70
32~36	10.2	88	1000/2000	300/1000	10D/20D	-40~+70
38~60	10.8	109	1000/2000	300/1000	10D/20D	-40~+70
62~72	11.9	116	1000/3000	300/1000	10D/20D	-40~+70
74~96	13.1	150	1000/3000	300/1000	10D/20D	-40~+70
98~120	14.3	188	1000/3000	300/1000	10D/20D	-40~+70
122~144	15.0	245	1000/3000	300/1000	10D/20D	-40~+70

Optical Characteristic

Fiber Type		Attenuation (dB/km)		Full Bandwidth (MHZ.km)	Effective Bandwidth (MHZ.km)	1Gbps Reach (m)	10Gbps Reach (m)	Min Bend Radius (mm)
Multi Mode		850/1300nm		850/1300nm	850nm	850/1300nm	850/1300nm	/
		Typical	Max					
62.5/125	OM1	3.0/1.0	3.5/1.5	200/500	220	275/550	33/300	30
50/125	OM2	3.0/1.0	3.5/1.5	500/500	510	550/550	82/300	30
50/125-150	OM2+	3.0/1.0	3.5/1.5	700/500	850	750/550	150/300	30
50/125-300	OM3	3.0/1.0	3.5/1.5	1500/500	2000	1000/550	300/300	30
50/125-550	OM4	3.0/0.7	3.0/1.0	3500/500	4700	1000/550	550/550	30
Single Mode		1310/1550nm		/	/	1310/1550nm	1310/1550nm	/
		Typical	Max					
9/125μm	G652D	0.36/0.22	0.5/0.4	–	–	5000m	10000-40000m	30
9/125μm	G657A1	0.36/0.22	0.5/0.4	–	–	5000m	10000-40000m	10
9/125μm	G657A2	0.36/0.22	0.5/0.4	–	–	5000m	10000-40000m	7.5