Outside Plant Cable

① Direct Buried Cable

Direct buried cable can be buried directly into the ground in a trench or using a vibratory plow. Except for with great water-blocking and moisture-proof performance, it also has good crushing and mechanical performance. With metallic central strength members, it offers ease of location while dielectric design eliminates grounding issues.

② Duct Cable

Duct cables are typically buried, and then the cables are air-blown, jetted, pulled or pushed into the duct. It features high tensile strength and excellent waterproof protection. Usually armored cables are installed under floors in data centers or in rocky soil, as well as to prevent rodent penetration.

③ Aerial Cable

Aerial Cables are for outside installation on poles where consideration must be given to continual tension from the cable weight as well as wind and ice loads. It can be helically lashed to a messenger or another cable. Self-supporting cables use special hardware to handle the installed tension on the cables caused by the weight of the cables and environmental factors like wind.

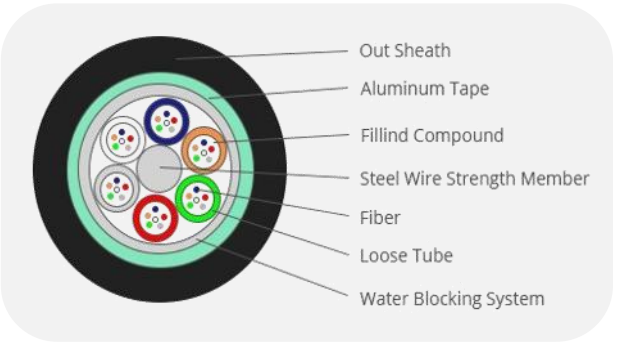
Outdoor Cable

Single-Armored Single-Jacket Aerial Cables - GYTA

GYTA is a type of fiber optic cable in stranded loose tube fiber optic cable with compact structure, and the cable jacket is made of strong Polyethylene. High strength loose tube has hydrolysis resistant. Cable filling materials ensure high reliability, and APL makes the cable crush resistant and moisture proof. So, the GYTA has a very good watertight performance. This cable can be used for LAN and WAN backbones, telecom access lines, fibre to business and fibre to the building drop connections, as well as fibre to the home drop and access connections.

Armored Aerial Cable - GYTA

Inner Structure - GYTA



Features and Benefits

- Special design to prevent loose tube shrinking
- Crush resistance, water blocking and flexibility
- Good mechanical and temperature performance
- PE sheath protects cable from ultraviolet radiation
- High strength loose tube that is hydrolysis resistant

Application

- CATV
- Local trunk line
- Rural communication
- Computer networks system
- Aerial & conduit/duct application

Technical Specification

Parameter	Unit	Life Cycle	2-12F	24F	36F	48F	72F	96F
Minimum Tensile Strength	N	short term	1500	1500	1500	1500	1500	1500
		long term	600	600	600	600	600	600
Minimum Crush Load	N/100 mm	short term	1000	1000	1000	1000	1000	1000
		long term	300	300	300	300	300	300
Minimum Bending Radius	MM	short term	20D	20D	20D	20D	20D	20D
		long term	10D	10D	10D	10D	10D	10D
Storage Temperature	℃	-40 to +60						

Optical Characteristic

Parameter	Unit	G.652		62.5/125μm		50/125μm	
Attenuation	dB/km	1310nm	≤0.36	850nm	≤3.0	850nm	≤3.0
		1550nm	≤0.22	1310nm	≤1.0	1310nm	≤1.0
Bandwidth	MHz·km	-	-	850nm	≥600	850nm	≥200
		-	-	1300nm	≥1200	1300nm	≥600
Numerical Aperture	NA	-		0.275±0.015		0.200±0.015	

Order Information

Fiber Count	Part Number	Flammability Rating	Cable Diameter (mm)	Weight (kg/km)
		Singlemode 9/125 OS2		
2F	GYTA-OS2-2F	Aerial or Duct	10	110
4F	GYTA-OS2-4F	Aerial or Duct	10	110
6F	GYTA-OS2-6F	Aerial or Duct	10	110
8F	GYTA-OS2-8F	Aerial or Duct	10	110
12F	GYTA-OS2-12F	Aerial or Duct	10	110
24F	GYTA-OS2-24F	Aerial or Duct	10.5	120
36F	GYTA-OS2-36F	Aerial or Duct	10.5	120
48F	GYTA-OS2-48F	Aerial or Duct	10.5	130
72F	GYTA-OS2-72F	Aerial or Duct	11.5	155
96F	GYTA-OS2-96F	Aerial or Duct	12.5	195
		Multimode 62.5/125 OM1		
2F	GYTA-OM1-2F	Aerial or Duct	10	110
4F	GYTA-OM1-4F	Aerial or Duct	10	110
6F	GYTA-OM1-6F	Aerial or Duct	10	110
8F	GYTA-OM1-8F	Aerial or Duct	10	110
12F	GYTA-OM1-12F	Aerial or Duct	10	110
24F	GYTA-OM1-24F	Aerial or Duct	10.5	120
36F	GYTA-OM1-36F	Aerial or Duct	10.5	120
48F	GYTA-OM1-48F	Aerial or Duct	10.5	130
72F	GYTA-OM1-72F	Aerial or Duct	11.5	155
96F	GYTA-OM1-96F	Aerial or Duct	12.5	195

Order Information

Multimode 50/125 OM2				
2F	GYTA-OM2-2F	Aerial or Duct	10	110
4F	GYTA-OM2-4F	Aerial or Duct	10	110
6F	GYTA-OM2-6F	Aerial or Duct	10	110
8F	GYTA-OM2-8F	Aerial or Duct	10	110
12F	GYTA-OM2-12F	Aerial or Duct	10	110
24F	GYTA-OM2-24F	Aerial or Duct	10.5	120
36F	GYTA-OM2-36F	Aerial or Duct	10.5	120
48F	GYTA-OM2-48F	Aerial or Duct	10.5	130
72F	GYTA-OM2-72F	Aerial or Duct	11.5	155
96F	GYTA-OM2-96F	Aerial or Duct	12.5	195
Multimode 50/125 OM3				
2F	GYTA-OM3-2F	Aerial or Duct	10	110
4F	GYTA-OM3-4F	Aerial or Duct	10	110
6F	GYTA-OM3-6F	Aerial or Duct	10	110
8F	GYTA-OM3-8F	Aerial or Duct	10	110
12F	GYTA-OM3-12F	Aerial or Duct	10	110
24F	GYTA-OM3-24F	Aerial or Duct	10.5	120
36F	GYTA-OM3-36F	Aerial or Duct	10.5	120
48F	GYTA-OM3-48F	Aerial or Duct	10.5	130
72F	GYTA-OM3-72F	Aerial or Duct	11.5	155
96F	GYTA-OM3-96F	Aerial or Duct	12.5	195

Order Information

Multimode 50/125 OM4				
2F	GYTA-OM4-2F	Aerial or Duct	10	110
4F	GYTA-OM4-4F	Aerial or Duct	10	110
6F	GYTA-OM4-6F	Aerial or Duct	10	110
8F	GYTA-OM4-8F	Aerial or Duct	10	110
12F	GYTA-OM4-12F	Aerial or Duct	10	110
24F	GYTA-OM4-24F	Aerial or Duct	10.5	120
36F	GYTA-OM4-36F	Aerial or Duct	10.5	120
48F	GYTA-OM4-48F	Aerial or Duct	10.5	130
72F	GYTA-OM4-72F	Aerial or Duct	11.5	155
96F	GYTA-OM4-96F	Aerial or Duct	12.5	195

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