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.

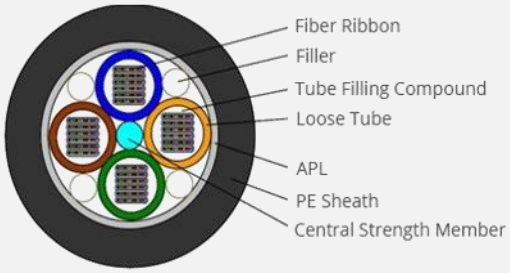
Outdoor Cable

Single-Armored Single-Jacket Ribbon Cables - GYDTA

GYDTA uses steel as the central strength member ensures good tensile resistance, and improves the bending performance. It has excellent moisture resistance ability: the loose tube is filled with grease to protect the fiber, APL tape prevent the water ingress, then the cable is completed with PE out sheath. It's suitable for aerial and duct application. Because of the good moisture resistance, it can also be used in cable trench. It has the loose tube structure with ribbon cable, which is surrounded by the APL tape. GYDTA is a good option for interoffice communication, outdoor access network.

Armored Aerial Cable-GYDTA

Inner Structure - GYDTA



Features and Benefits

- Good mechanical and temperature performance
- Light weight, small size, nice moisture resistance
- Good tensile strength and bending performance
- Tube filling compound ensuring a critical protection for ribbon fiber
- Loose tube structure wrapped by APL tape enhancing water blocking

Application

- Cable trench
- Local trunk line
- Interoffice communication
- Aerial and duct application
- Long-distance communication

Technical Specification

Parameter	Unit	Life Cycle	2-24F	36F	48F	72F	96F	144F
Minimum Tensile Strength	N	short term	1900	1900	1900	1900	1900	1900
		long term	600	600	600	600	600	600
Minimum Crush Load	N/100mm	short term	1000	1000	1000	1000	1000	1000
		long term	300	300	300	300	300	300
Minimum Bending Radius	MM	static	160	160	160	160	160	160
		dynamic	320	320	320	320	320	320
StorageTemperatue	℃	-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
Cable Cut-off Wavelength	λcc(nm)	≤1260		-		-	
Numerical Aperture	NA	-		0.275±0.015		0.200±0.015	

Order Information

Fiber Count	Part Number	Application	Cable Diameter (mm)	Weight (kg/km)
		Singlemode 9/125 OS2		
2F	GYDTA-OS2-2F	Aerial or Duct	15.9	236
4F	GYDTA-OS2-4F	Aerial or Duct	15.9	236
6F	GYDTA-OS2-6F	Aerial or Duct	15.9	236
8F	GYDTA-OS2-8F	Aerial or Duct	15.9	236
12F	GYDTA-OS2-12F	Aerial or Duct	15.9	236
24F	GYDTA-OS2-24F	Aerial or Duct	15.9	236
36F	GYDTA-OS2-36F	Aerial or Duct	15.9	236
48F	GYDTA-OS2-48F	Aerial or Duct	15.9	236
72F	GYDTA-OS2-72F	Aerial or Duct	15.9	236
96F	GYDTA-OS2-96F	Aerial or Duct	15.9	236
144F	GYDTA-OS2-144F	Aerial or Duct	15.9	236

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