

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.

Outside Cable

Single-Armored Double-Jacket Direct Buried Cables GYFTY53

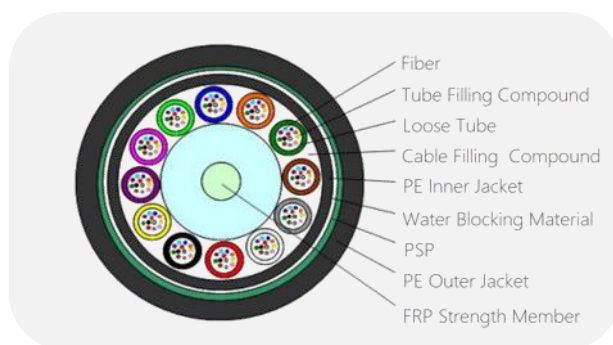
GYFTY53 uses a Fiber Reinforced Plastic as central strength member to provides anti-electromagnetic interference property. The armored structure protects the cable from rat bite and moisture proof.

Then the cable core is covered with a thin polyethylene (PE) inner sheath to protect it from water ingress. A layer of water-blocking material is applied around the cable core to prevent water ingress. It can be used for duct and direct buried application, suitable for frequent lightning area and anti electric field.

ADSS Outdoor Cable GYFTCY



Inner Structure GYFTY53



Features and Benefits

- Unitized design for distributing cables
- 900 μ m tight buffered fibers can be directly terminated
- FRP central strength member, some fiber counts also have fillers or coatings as strength member
- Flexible, flame-retardant & color coded outer jacket
- Optical communication cables direct terminated to fiber enclosures

Application

- Ariel and direct buried applications
- Long haul networking building Interconnections (Campus LAN)
- Suitable for frequent lightning area and anti electric field

Technical Specification

Parameter	Unit	Life Cycle	2-24F	36F	48F	72F	96F	144F
Minimum Tensile Strength	KN	short term	3000	3000	3000	3000	3000	3000
		long term	1000	1000	1000	1000	1000	1000
Minimum Crush Load	N/10mm	short term	3000	3000	3000	3000	3000	3000
		long term	1000	1000	1000	1000	1000	1000
Minimum Bending Radius	MM	short term	20D	20D	20D	20D	20D	20D
		long term	10D	10D	10D	10D	10D	10D
Storage Temperature	°C	-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	
Cable Cut-off Wavelength	λ _{cc} (nm)	≤1260		-		-	

Order Information

Single-Armored Double-Jacket Direct Buried-GYFTY53

Fiber Count	Part Number	Application	Cable Diameter (mm)	Weight (kg/km)
-------------	-------------	-------------	---------------------	----------------

Singlemode 9/125 OS2

2F	GYFTY53-OS2-2F	Direct Buried	12	170
4F	GYFTY53-OS2-4F	Direct Buried	12	170
6F	GYFTY53-OS2-6F	Direct Buried	12	170
8F	GYFTY53-OS2-8F	Direct Buried	12	170
12F	GYFTY53-OS2-12F	Direct Buried	12	170
24F	GYFTY53-OS2-24F	Direct Buried	12	170
36F	GYFTY53-OS2-36F	Direct Buried	12.8	170
48F	GYFTY53-OS2-48F	Direct Buried	13.2	212
72F	GYFTY53-OS2-72F	Direct Buried	13.2	228
96F	GYFTY53-OS2-96F	Direct Buried	14.2	245
144F	GYFTY53-OS2-144F	Direct Buried	17.3	328

Multimode 62.5/125 OM1

2F	GYFTY53-OM1-2F	Direct Buried	12	170
4F	GYFTY53-OM1-4F	Direct Buried	12	170
6F	GYFTY53-OM1-6F	Direct Buried	12	170
8F	GYFTY53-OM1-8F	Direct Buried	12	170
12F	GYFTY53-OM1-12F	Direct Buried	12	170
24F	GYFTY53-OM1-24F	Direct Buried	12	170

36F	GYFTY53-OM1-36F	Direct Buried	12.8	170
48F	GYFTY53-OM1-48F	Direct Buried	13.2	212
72F	GYFTY53-OM1-72F	Direct Buried	13.2	228
96F	GYFTY53-OM1-96F	Direct Buried	14.2	245
144F	GYFTY53-OM1-144F	Direct Buried	17.3	328

Multimode 50/125 OM2

2F	GYFTY53-OM2-2F	Direct Buried	12	170
4F	GYFTY53-OM2-4F	Direct Buried	12	170
6F	GYFTY53-OM2-6F	Direct Buried	12	170
8F	GYFTY53-OM2-8F	Direct Buried	12	170
12F	GYFTY53-OM2-12F	Direct Buried	12	170
24F	GYFTY53-OM2-24F	Direct Buried	12	170
36F	GYFTY53-OM2-36F	Direct Buried	12.8	170
48F	GYFTY53-OM2-48F	Direct Buried	13.2	212
72F	GYFTY53-OM2-72F	Direct Buried	13.2	228
96F	GYFTY53-OM2-96F	Direct Buried	14.2	245
144F	GYFTY53-OM2-144F	Direct Buried	17.3	328

Multimode 50/125 OM3

2F	GYFTY53-OM3-2F	Direct Buried	12	170
4F	GYFTY53-OM3-4F	Direct Buried	12	170
6F	GYFTY53-OM3-6F	Direct Buried	12	170
8F	GYFTY53-OM3-8F	Direct Buried	12	170

12F	GYFTY53-OM3-12F	Direct Buried	12	170
24F	GYFTY53-OM3-24F	Direct Buried	12	170
36F	GYFTY53-OM-36F	Direct Buried	12.8	170
48F	GYFTY53-OM3-48F	Direct Buried	13.2	212
72F	GYFTY53-OM3-72F	Direct Buried	13.2	228
96F	GYFTY53-OM3-96F	Direct Buried	14.2	245
144F	GYFTY53-OM3-144F	Direct Buried	17.3	328

Multimode 50/125 OM4

2F	GYFTY53-OM4-2F	Direct Buried	12	170
4F	GYFTY53-OM4-4F	Direct Buried	12	170
6F	GYFTY53-OM4-6F	Direct Buried	12	170
8F	GYFTY53-OM4-8F	Direct Buried	12	170
12F	GYFTY53-OM4-12F	Direct Buried	12	170
24F	GYFTY53-OM4-24F	Direct Buried	12	170
36F	GYFTY53-OM4-36F	Direct Buried	12.8	170
48F	GYFTY53-OM4-48F	Direct Buried	13.2	212
72F	GYFTY53-OM4-72F	Direct Buried	13.2	228
96F	GYFTY53-OM4-96F	Direct Buried	14.2	245
144F	GYFTY53-OM4-144F	Direct Buried	17.3	328



 <https://www.fs.com>



The information in this document is subject to change without notice. FS has made all efforts to ensure the accuracy of the information, but all information in this document does not constitute any kind of warranty.