

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

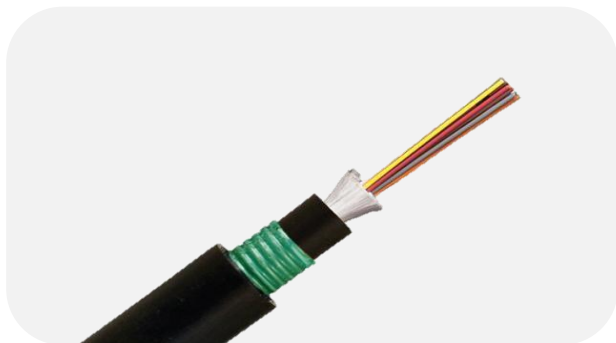
Aerial Cables are for outside installation on poles where consideration must be given to continual tension from the cable weight as well as wind and ice loads. It can be helically lashed to a messenger or another cable. Self-supporting cables use special hardware to handle the installed tension on the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

FTTH Fiber Cable

Butterfly Flat FTTH Drop Cable -GJXFH

Tight buffered distribution waterproof indoor/outdoor cable contains 4, 6, 8, 12, or 24, 900 μ m tight buffered optical fibers with longitudinally applied glass yarn strength members. It features a double LSZH jackets with the outer jacket being of UV stabilised, water and moisture resistant. Between the 2 sheaths there is a corrugated steel tape making the cable rodent proof. The cable is suited for LAN backbones, direct burial, ducts, under floor or ceiling spaces.

Single-Armored Tight Buffered-GJFY53



Inner Structure - GJFY53



Features and Benefits

- Small cable diameter, high tensile strength
- Good mechanical and temperature performance
- Robust 900 μ m tight buffered fibers for ease of termination
- Outer jacket has good anti-ultraviolet, water blocking performance
- Glass yarn strength members and steel tape armor for rodent resistance

Application

- Short run interconnect links
- Under floor or ceiling spaces
- Installation in trunking, LAN backbones
- Duct/conduit, aerial, direct burial application
- Fiber backbones in riser and horizontal configurations

Technical Specification

Parameter	Unit	Life Cycle	4F	6F	8F	12F	24F
Minimum Tensile Strength	N	short term	1000	1000	1000	1000	1000
		long term	500	500	500	500	500
Minimum Crush Load	N/100 mm	short term	3000	3000	3000	3000	3000
		long term	1000	1000	1000	1000	1000
Minimum Bending Radius	MM	short term	20D	20D	20D	20D	20D
		long term	10D	10D	10D	10D	10D
Storage Temperature	°C	-5 to +50					

Optical Characteristic

Parameter	Unit	G.652		50/125μm		62.5/125μm	
Attenuation	dB/km	1310nm	≤0.36	850nm	≤3.0	850nm	≤3.0
		1550nm	≤0.22	1300nm	≤1.0	1300nm	≤1.0
Bandwidth	MHz-km			850nm	≥600	850nm	≥200
				1300nm	≥1200	1300nm	≥600
Numerical Aperture	NA	0.200±0.015			0.275±0.015		
Cable Cut-off Wavelength	λ _{cc} (nm)	≤1260					

Order Information

Fiber Count	Part Number	Flammability Rating	Cable Diameter (mm)	Weight (kg/km)
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Singlemode 9/125 OS2

4F	GJFZY53-OS2-4FL	LSZH	11.3 ± 0.5	109
6F	GJFZY53-OS2-6FL	LSZH	11.3 ± 0.5	109
8F	GJFZY53-OS2-8FL	LSZH	11.8 ± 0.5	140
12F	GJFZY53-OS2-12FL	LSZH	11.8 ± 0.5	140
24F	GJFZY53-OS2-24FL	LSZH	13	186

Multimode 62.5/125 OM1

4F	GJFZY53-OM1-4FL	LSZH	11.3 ± 0.5	109
6F	GJFZY53-OM1-6FL	LSZH	11.3 ± 0.5	109
8F	GJFZY53-OM1-8FL	LSZH	11.8 ± 0.5	140
12F	GJFZY53-OM1-12FL	LSZH	11.8 ± 0.5	140
24F	GJFZY53-OM1-24FL	LSZH	13	186

Multimode 50/125 OM2

4F	GJFZY53-OM2-4FL	LSZH	11.3 ± 0.5	109
6F	GJFZY53-OM2-6FL	LSZH	11.3 ± 0.5	109
8F	GJFZY53-OM2-8FL	LSZH	11.8 ± 0.5	140
12F	GJFZY53-OM2-12FL	LSZH	11.8 ± 0.5	140
24F	GJFZY53-OM2-24FL	LSZH	13	186

Order Information

Multimode 50/125 OM3

4F	GJFZY53-OM3-4FL	LSZH	11.3 ± 0.5	109
6F	GJFZY53-OM3-6FL	LSZH	11.3 ± 0.5	109
8F	GJFZY53-OM3-8FL	LSZH	11.8 ± 0.5	140
12F	GJFZY53-OM3-12FL	LSZH	11.8 ± 0.5	140
24F	GJFZY53-OM3-24FL	LSZH	13	186

Multimode 50/125 OM4

4F	GJFZY53-OM4-4FL	LSZH	11.3 ± 0.5	109
6F	GJFZY53-OM4-6FL	LSZH	11.3 ± 0.5	109
8F	GJFZY53-OM4-8FL	LSZH	11.8 ± 0.5	140
12F	GJFZY53-OM4-12FL	LSZH	11.8 ± 0.5	140
24F	GJFZY53-OM4-24FL	LSZH	13	186



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