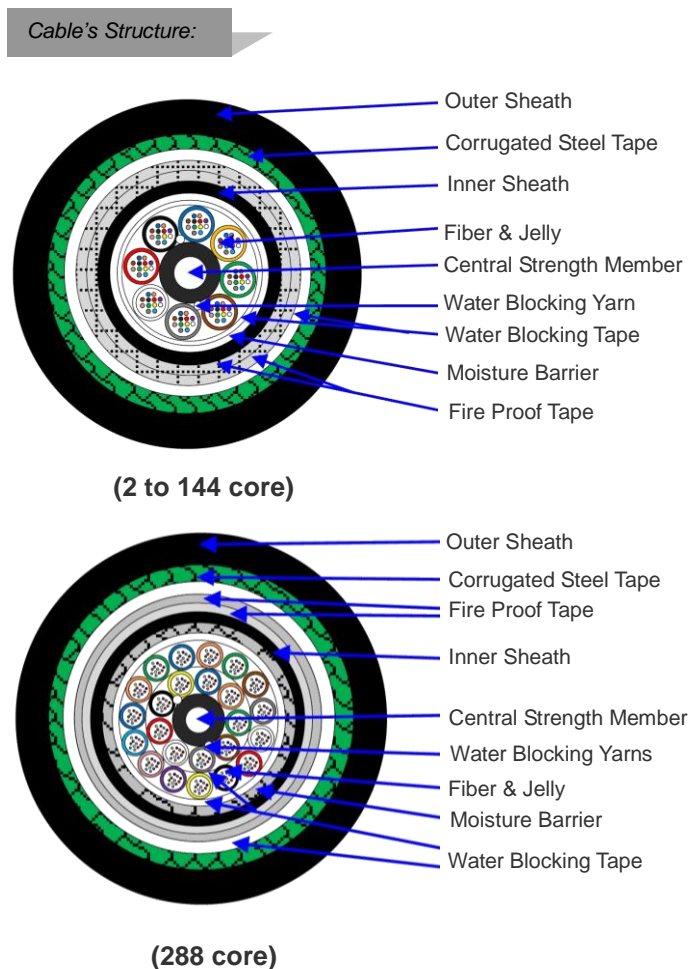


Fire Resistant Outdoor Cable

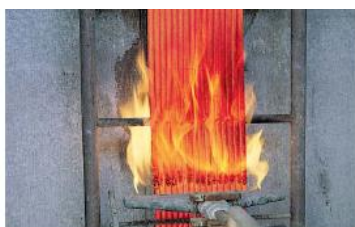
FIRECARE™

Product Features:

- FIRECARE™ Fire resistance cable design.
- Low smoke zero halogen with fire retardant sheath
- Steel tape armor provide excellent crush resistance and tensile strength
- Suitable for different harsh environment
- Complies with
 - Fire resistance IEC 60331-25, BS 6387 CWZ
 - Flammability ASTM D-2863, ISO 4589-2 & 3
 - Flame propagation IEC 60332-1 & 3C
 - Gas Emission IEC 60754-1 & 2
 - Smoke Emission IEC 61034-2
- Steel wire conforms to ASTM, BS 5467



About FIRECARE™



- FIRECARE series include optical fiber and copper cables.
- Manufactured from fire resistant / fire retardant and LSZH materials.
- Comply with related international standards and are tested by independent laboratory.

Optical Characteristic:

It conforms to the requirement of ITU-T G.652D, IEC 60793 and IEC 60794

Parameter	Condition	Value
Attenuation	@1310nm	≤ 0.36dB/km
	@1550nm	≤ 0.22dB/km
Zero Dispersion Wavelength		1300~1324nm
Cutoff Wavelength		≤ 1260nm
Mode Field Diameter(MFD)	@1310nm	9.2 ± 0.4μm
Polarization Mode Dispersion (PMD)		≤ 0.20 ps/√km
Chromatic Dispersion	@1285 – 1330 nm	≤ 3.5 ps/nm.km
	@1550 nm	≤ 18 ps/nm.km
Macrobending Loss	100turns;Φ50mm @1550nm	≤ 0.05B
	100turns;Φ50mm @1625nm	≤ 0.10dB
Cladding Diameter		125 ± 1μm
Coating Diameter		245± 5μm

Mechanical Characteristic:

Parameter	Value
Fiber Count	2 to 288
Fiber Bundle	Loose tube
Central Strength Member	Steel wire
Aarmor Material	PE coated corrugated steel tape
Moisture Barrier	Aluminum tape
Fire Proof Material	Mica tape
Sheath Material	LSZH
Max. Tensile Strength	3000N / 305.9 kgf
Crush Resistance	2500N/10cm
Minimal Bending Radius:	Installation: 20D
	Operation: 10D
Temperature Range:	Transport and storage: -20 °C to +60 °C
	Installation: -10 °C to +60 °C
	Operation: -20 °C to +60 °C

Fibers and Tubes Colour Code Scheme:

It conforms to the requirement of EIA/TIA 598. (up to 144 core)

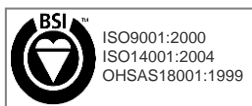
Fiber colour	Blue	Orange	Green	Brown	Gray	White	Red	Black	Yellow	Violet	Pink	Aqua
Tube colour	Blue	Orange	Green	Brown	Gray	White	Red	Black	Yellow	Violet	Pink	Aqua

It conforms to the requirement of EIA/TIA 598. (288 core)

Fiber Color	Blue	Orange	Green	Brown	Gray	White	Red	Black	Yellow	Violet	Pink	Aqua	/	/	/
1st layer Tube color	Blue	Orange	Green	Brown	Gray	White	Red	Black	Yellow	/	/	/	/	/	/
2nd layer Tube color	Blue	Orange	Green	Brown	Gray	White	Red	Black	Yellow	Violet	Pink	Aqua	Blue	Orange	Green

Ordering Information:

Model Number	Manufacturing Code	Fiber Count	Outer Diameter (mm)
OUOC-21500-004	GYFSTZY53-4B1	4	16
OUOC-21500-006	GYFSTZY53-6B1	6	16
OUOC-21500-012	GYFSTZY53-12B1	12	16
OUOC-21500-024	GYFSTZY53-24B1	24	16
OUOC-21500-048	GYFSTZY53-48B1	48	18
OUOC-21500-096	GYFSTZY53-96B1	96	18
OUOC-21500-144	GYFSTZY53-144B1	144	21
OUOC-21500-192	GYFSTZY53-192B1	192	21
OUOC-21500-288	GYFSTZY53-288B1	288	24



*These figures are nominal value.

* Infinite Cable System reserves the right to modify products and specifications without prior notice.

Infinite
Cable System