

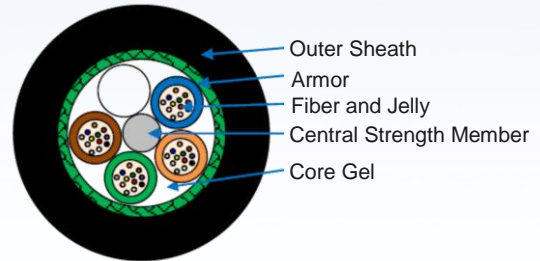
**Infinite™ Fiber**

**Single Jacket Outdoor Cable**

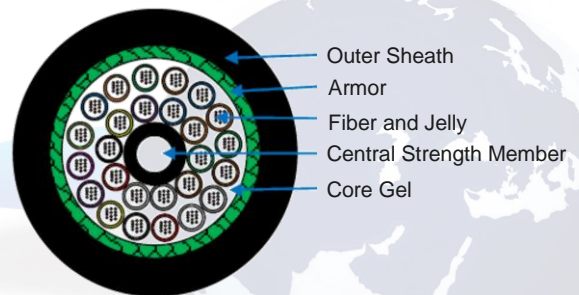
**Product Features:**

- Steel tape armor provide excellent crush resistance and tensile strength
- Water-blocking materials filling
- Suitable for duct or direct bury
- Complies with IEC 60793-1, IEC 60793-2, IEC 60794-3-10, EIA/TIA 598 B
- LSZH sheath complies with
  - Flammability ASTM D-2863, BS EN ISO 4589-3
  - Flame propagation IEC 60332-1 & 3C
  - Gas Emission IEC 60754-1 & 2
  - Smoke Emission IEC 61034-2

Cable's Structure:



(Single layer)



(Dual layer)

**Optical Characteristic:**

Parameter	Condition	Value
Fiber		ITU-T G.652D
Attenuation	@ 1310nm	≤0.4dB/km
	@ 1550nm	≤0.3dB/km
Zero Dispersion Wavelength		1300~1324nm
Zero Dispersion Slope		≤0.092ps/nm <sup>2</sup> .km
Cutoff Wavelength		<1260nm
Mode Field Diameter(MFD)	@ 1310nm	9.2 ± 0.4μm
	@ 1550nm	10.4 ± 0.5μm
Polarization Mode Dispersion (PMD)		≤ 0.20ps/√km
Chromatic Dispersion	@ 1285 – 1330 nm	≤ 3.5 ps/nm.km
	@ 1550	≤18 ps/nm.km
Marcobending Loss	100turns;Φ50mm @1550nm	≤0.05dB
	100turns;Φ50mm @1625nm	≤0.10dB
Fiber Curl Radius		≥4m
Cladding Diameter		125 ± 1μm
Coating Diameter		245± 5μm

## Mechanical Characteristic:

Parameter	Value										
Fiber Count	4	8	12	16	24	48	72	96	144	288	312
Cable Diameter	9.2 mm					10.1mm	12.2mm	12.2mm	14.9mm	17.1mm	17.7mm
Cable Weight	100 kg/km					119kg/km	130kg/km	141kg/km	211kg/km	275kg/km	295kg/km
Strength Member	Steel Wire / FRP										
Armor	Corrugated Steel Tape										
Sheath Material	PE / LSZH										
Minimum Bending Radius	Installation: 20D										
	Operation:10D										
* Max. Allowable Pulling Force	1200 - 2700 N										
* Crush Resistance	1000 N/10cm										
Temperature	Operation					-20°C ~+70°C					
	Installation					-10°C ~+60°C					

## Colour Code Scheme:

It conforms to the requirement of EIA/TIA 598B.

<b>Fiber colour</b>	Blue	Orange	Green	Brown	Gray	White	Red	Black	Yellow	Violet	Pink	Aqua
<b>Tube colour</b>	Blue	Orange	Green	Brown	Gray	White	Red	Black	Yellow	Violet	Pink	Aqua

\* Tube 13-24 with black/ white ring marking

## Ordering Information:

Order No.	Description	Remark
INF1213 - XXXYYZ	Single Jacket Outdoor Armour Cable	-
INF1213 -312D2P	312-core G.652D Single Jacket Outdoor Armour PE Cable	Example
XXX= Fiber count ( 004 ~ 312 ) YY= Fiber Type ( D2 : G.652D) Z= Sheath ( P : PE; L : LSZH) More cable types are available upon request.		