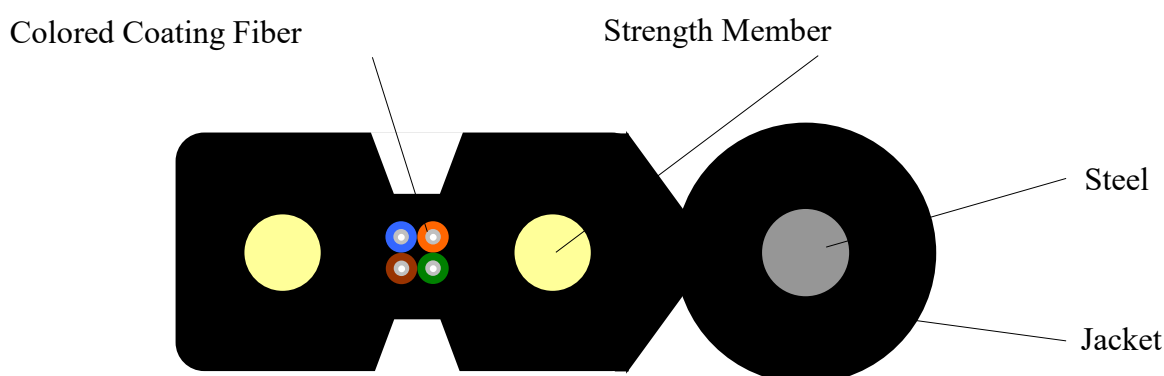




# ANSEC

## Outdoor Drop Cable 4FO 2x0.5FRP+1.0mm Steel Wire, Single mode G.657A1 LSZH



### Fiber Parameters

Items		Unit	Specification
			G.657A1
Mode Field Diameter	1310nm	$\mu\text{m}$	$8.6\pm 0.4$
	1550nm	$\mu\text{m}$	$9.8\pm 0.5$
Cladding Diameter		$\mu\text{m}$	$125\pm 0.7$
Cladding Non-Circularity		%	$\leq 0.7$
Core-Cladding Concentricity Error		$\mu\text{m}$	$\leq 0.5$
Coating Diameter		$\mu\text{m}$	$242\pm 5$
Coating Non-Circularity		%	$\leq 6.0$
Cladding-Coating Concentricity Error		$\mu\text{m}$	$\leq 12.0$
Cable Cutoff Wavelength		nm	$\lambda_{cc}\leq 1260$
Attenuation(max.)	1310nm	dB/km	$\leq 0.35$
	1550nm	dB/km	$\leq 0.20$
Macro-Bending Loss	1turn $\times$ 10mm radius @1550nm	dB	$\leq 0.5$
	1turn $\times$ 10mm radius @1625nm	dB	$\leq 1.5$

## Cable Parameters

Items		Specifications
Fiber Count		4
Colored Coating Fiber	Dimension	250±15µm
	Color	Blue / Orange / Green / Brown
Strength Member	Dimension	0.5mm
	Material	FRP
Self-Supporting Member	Dimension	1.0mm
	Material	Steel
Jacket	Dimension	5.2±0.2mm×2.1±0.1mm
	Material	LSZH
	Color	Black

## Mechanical and Environmental Characteristics

Items	Unite	Specifications
Tension (Long Term)	N	300
Tension (Short Term)	N	600
Crush (Long Term)	N/10cm	1000
Crush (Short Term)	N/10cm	2200
Min. Bend Radius (Dynamic)	mm	20D
Min. Bend Radius (Static)	mm	10D
Installation Temperature	°C	-20~+60
Operating Temperature	°C	-40~+70
Storage Temperature	°C	-40~+70

