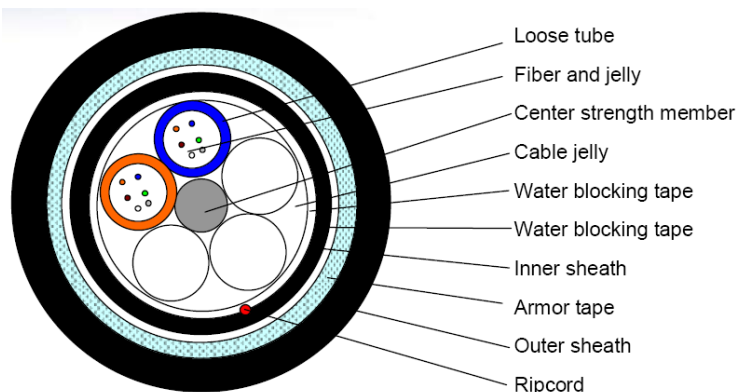


# Outdoor Double-jacket Duct/Direct Buried cable

## Product Features:

- Double sheath and steel tape armor provide excellent crush resistance and tensile strength
- Multiple water-blocking materials filling provides premium water proofing performance
- Suitable for different harsh environments
- Complies with IEC 60793-1, IEC 60793-2, IEC 60794-3-10, EIA/TIA 598 B

Cable's Structure:



## Optical Characteristic:

Parameter	Condition	Value
<b>Fiber</b>		Singlemode Fiber
<b>Attenuation</b>	@1310nm	$\leq 0.4\text{dB/km}$
	@1550nm	$\leq 0.3\text{dB/km}$
<b>Zero Dispersion Wavelength</b>		1300~1324nm
<b>Zero Dispersion Slope</b>		$\leq 0.092\text{ps/nm}^2.\text{km}$
<b>Cutoff Wavelength</b>		$< 1260\text{nm}$
<b>Mode Field Diameter(MFD)</b>	@1310nm	$9.2 \pm 0.4\mu\text{m}$
	@1550nm	$10.4 \pm 0.5\mu\text{m}$
<b>Marcobending Loss</b>	100turns; $\Phi 50\text{mm}$ @1310nm	$\leq 0.05\text{B}$
	100turns; $\Phi 50\text{mm}$ @1550nm	$\leq 0.10\text{dB}$
<b>Fiber Curl Radius</b>		$\geq 4\text{m}$
<b>Cladding Diameter</b>		$125 \pm 1\mu\text{m}$
<b>Coating Diameter</b>		$245 \pm 5\mu\text{m}$

## Mechanical Characteristic:

Parameter	Value
Fiber Count	4 to 144
Strength Member	FRP: 1.5mm
Sheath Thickness	Outer sheath: 1.5mm; Inner sheath: 1.0mm
Sheath Material	PE
Max. Tensile Strength	2500N
Crush Resistance	4000/1000 N/10cm
Minimal Bending Radius:	Installation: 20D
	Operation: 10D
Temperature Range:	Transport and storage: -40 °C to +70 °C
	Installation: -10 °C to +60 °C
	Operation: -40 °C to +70 °C

## Ordering Information:

Order no.	Fiber Count	Weight(km/kg)	Outer Diameter(mm)
OUOC-21001	4 x SMF	182	14.6
OUOC-21002	12 x SMF	184	
OUOC-21003	24 x SMF	187	
OUOC-21004	36 x SMF	190	
OUOC-21005	48 x SMF	193	15.5
OUOC-21006	72 x SMF	210	
OUOC-21007	96 x SMF	229	16.1
OUOC-21008	144 x SMF	324	19.3

*Special cable design or  
different fiber type is  
available upon request*

