

# Optical Cable Specifications

## Cable Description

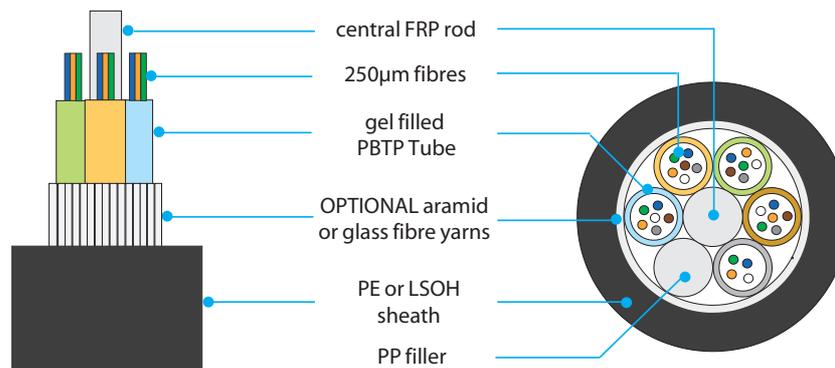
Outdoor non-metallic optical cable, gel filled stranded loose tube, central FRP strength member

## Applications

1. Outdoor duct
2. Indoor duct

### Cable designs

Outer sheath :	Polyethylene (PE) or Low Smoke Zero Halogen (LSOH) 2mm thick
Loose tube :	PBTP, 5 or 6 units (8 for high fibre count)
Tube & cable filling :	waterproof jelly compound
Strength member :	FRP rod, 2.25mm (3.7mm for high fibre count) with OPTIONAL aramid or glass fibre yarns filling
Filler :	Polypropylene (PP) for low fibre count
Fibre :	250µm fibres



### Cable characteristics

	ODUCT-CF11	ODUCT-CF12	ODUCT-CF14
Number of fibres (n)	2-36	38-72	74-96
Outer diameter (mm)	11	12	14
Weight (kg/km)	100	120	160
Minimum bend radius (mm)	110	120	140
Tensile resistance (N)	1500	3000	3000
Crush resistance (N)	1000	1000	1000
Operating temperature (°C)		-40 to +70	

### Additional technical information

Optical fibres :	Refer to OCT fibre specifications for details
Standard continuous length :	Multiple of 1km up to 4km
Standard cable colour :	Black (other colours on request for 10 km and over)
Standard cable marking :	OCT, cable reference, metre marking, production date (other markings on request for 10 km and over)