

# Optical Cable Specifications

## Cable Description

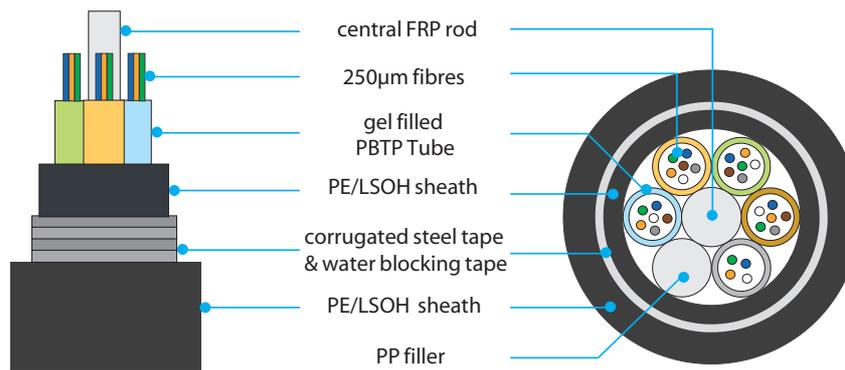
Corrugated steel tape armoured optical cable, gel filled stranded loose tube, central FRP strength member, double sheath

## Applications

Direct burial

### Cable designs

Outer sheath :	Polyethylene (PE) or Low Smoke Zero Halogen (LSOH) 2mm thick
Armouring :	corrugated steel tape, 0.15mm thick
Water barrier :	water blocking tape and gel filling compound
Inner sheath :	Polyethylene (PE) or Low Smoke Zero Halogen (LSOH)
Loose tube :	PBTP, 5 or 6 units (8 for high fibre count)
Central strength member :	FRP rod, 2.25 to 3.7mm OD
Filler :	Polypropylene (PP) for low fibre count
Fibre :	250µm fibres



### Cable characteristics

	OSTA-CF16	OSTA-CF17
Number of fibres (n)	2-48	50-96
Outer diameter (mm)	16	17
Weight (kg/km)	240	280
Minimum bend radius (mm)	160	170
Tensile resistance (N)	3000	3000
Crush resistance (N)	3000	3000
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 6km
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)