



Attel-OFC OUTDOOR DIRECT BURIAL CABLE OR UNDERWATER CABLE

Description

Armoured Loose Tube fiber optic cables are designed to provide high fiber counts with the flexibility and versatility required for today's most demanding installations. With fiber counts to 144

Product Construction

Fiber cable :

12-144 fibers

Loose tube gel-filled

Central Strength Member :

FRP (Fiber reinforce plastic)

Outer Jacket :

Black UV-and moisture-resistant polyethylene (colour black) with strip line

Other Jacket can be :

Flame retardant LSZH compound (colour red/Orange)



Features

Up to 144 fibers.

Loose tube gel-filled construction for superior fiber protection.

All Dielectric structure.

UV and moisture-resistant design

Applications

Outside building (OSB) voice or data communication backbones.

Installed in ducts, Direct Burial /Aerial & Underwater.

Optical Characteristics

Fiber Type		G.652D	G657A1	50/125µm	62.5/125µm
Attenuation (+20°C)	850 nm			≤3.0 db/km	≤3.3 db/km
	1300 nm			≤1.0 db/km	≤1.0 db/km
	1310 nm	≤0.36 db/km	≤0.35 db/km		
	1550 nm	≤0.23 db/km	≤0.22 db/km		
Bandwidth	850 nm			≥500 Mhz.km	≥200 Mhz.km
	1300 nm			≥500 Mhz.km	≥500 Mhz.km
Numerical Aperture				0.200±0.015 NA	0.275±0.015 NA
Cable Cut-off Wavelength λ _{cc}		≤1260 nm	≤1450 nm		

Product codes – ordering information

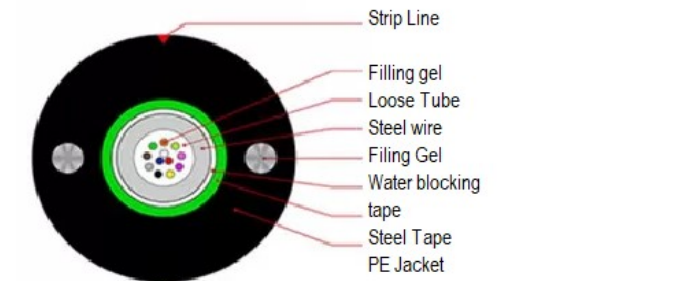
ATTEL-No Core -Type fiber – Environments (IN-Outdoor) or (OD-Indoor)- AR-Armoured

ATTEL- OD-AR-SM-12C, ATTEL- OD-AR-SM-24C, ATTEL- OD-AR-SM-144C

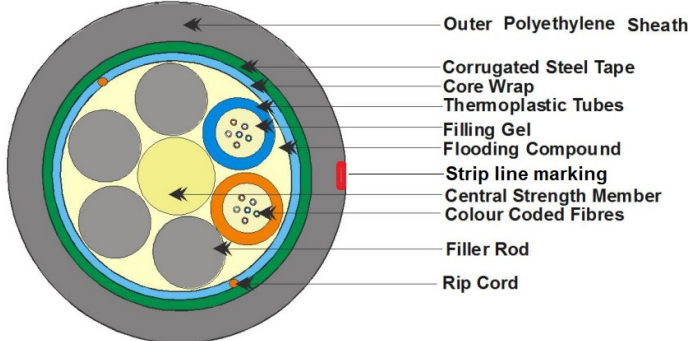


Structure and Technical Specifications

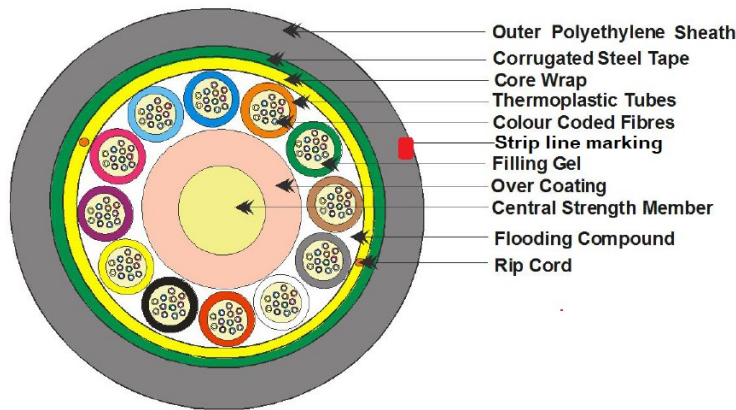
Fiber core No	Out sheath Diameter	Weight	Minimum allowable Tensile Strength (N)	minimum allowable Crush Load (N/100mm)	Minimum Bending Radius (MM)		Storage temperature
	(MM)	(KG)	short term	long term	short term	long term	(°C)
12	7.5	80	600	1000	20D	10D	-40+60
24	11.5	135	2000	1000	20D	10D	-40+60
36	11.5	135	2000	1000	20D	10D	-40+60
48	11.5	135	2000	1000	20D	10D	-40+60
96	13.5	170	2000	1100	20D	10D	-40+60
144	16.0	232	2000	1500	20-D	10D	-40+60



6-12core Design fiber design



24-72core Design fiber design



96-144core Design fiber design