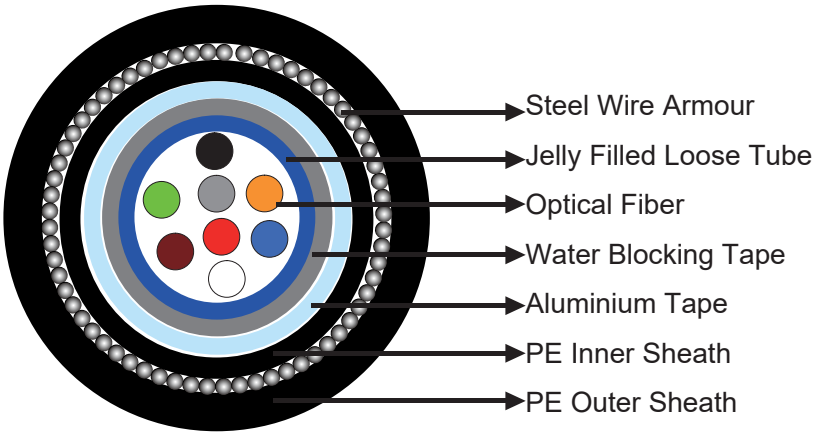
Flame Retardant Central Loose Tube Fiber Optic Cables



APPLICATION

This cable is characterized by light weight and small diameter, suitable for both aerial and duct installation. The cable can also be used for direct burial for armoured option.

DESCRIPTION

Central loose tube cable contains one tube with 2 - 24 fibers, which is filled with water blocking gel. Either aramid yarn or fiber glass is wound around the tube to provide physical protection and tensile strength. The cable can be jacketed with PE. For direct burial, either steel wire armour or corrugated steel tape armour is applied with an optional inner jacket of PE. A moisture tape can be incorporated under the jacket for water blocking and shielding purpose.

STANDARDS

Basic design to IEC60793-1&-2

FIRE PERFORMANCE

Flame Retardance (Single vertical wire or cable test)	IEC 60332-1-2; EN 60332-1-2
Reduced Fire Propagation (Vertically-mounted bundled wires & cables test)	IEC 60332-3-24; EN 60332-3-24

CABLE CONSTRUCTION

Optical fibers: Multimode fiber (OM2)with jelly filled loose tube.

Barrier Tape: Waterblocking tape.

Moisture barrier: Aluminum tape.

Inner Sheath: PE compound.

Armouring: Steel wire armour.

Outer Sheath: PE compound.

PHYSICAL AND THERMAL PROPERTIES

Temperature range during operation : -20 ℃ — +60 ℃

Minimum bending radius(Dynamic): 25 times the outer diameter for armoured cables

CONSTRUCTION PARAMETERS

Cable Code	N° of Fibers	Nominal Overall Diameter	Cable Weight	Max. Tensile Strength Short Term
		mm	KG/KM	N
CLA-5-8-2YW2Y	8	11.4	218	5000

Standard

Flame Retardancy
NF C32-070-2.1(C2)
IEC60332-1-2/EN50265-2-1

Reduced Fire Propagation
EN 60332-3-24