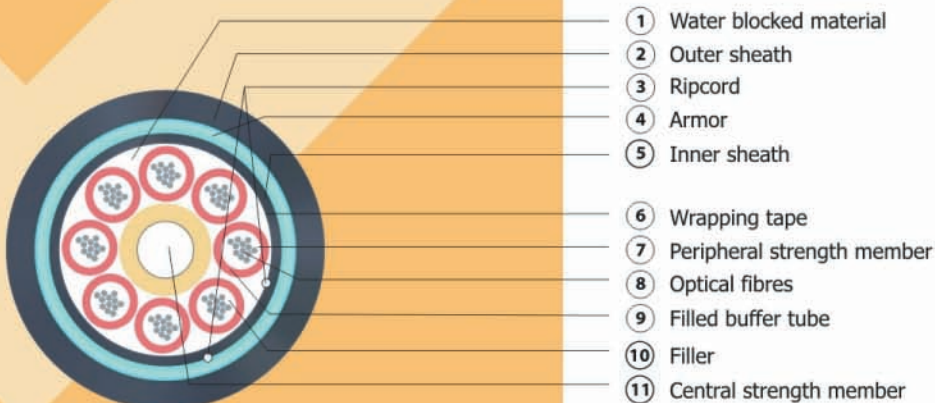


MULTI LOOSE TUBE CABLE

CABLE CONSTRUCTIONS



Wide range of designs, both metallic and dielectric, incorporating filled buffer tubes. Available metal-free or armoured design and also dry core or jelly filled.

- **CENTRAL STRENGTH MEMBER**
Provides both tensile and anti-buckling to the cable. Available in metallic (phosphated steel wire) or non-metallic (GRP) strength member.
- **FILLED BUFFER TUBE**
Tubes made of PBT (polybutylene terephthalate), fully water-blocked with a thixotropic compound, stranded together around central strength member.
- **FILLER**
Where necessary, number of fillers are placed among stranded tubes. Filler made of polyethylene or polymeric material.
- **OPTICAL FIBRES**
Available up to 12 colored fibres per tube, single mode or multi mode type.
- **WATER BLOCKING MATERIAL**
Applied to cable core to prevent the ingress of water longitudinally, using swellable material for dry core or flooding compound for jelly filled design.
- **PERIPHERAL STRENGTH MEMBER**
Where necessary, aramid or glass yarns added and distributed over the cable core to enhance its strain characteristic.
- **WRAPPING TAPE**
The cable core covered with plastic or swellable tape.
- **SHEATH**
Polyethylene proven as a suitable material for sheathing since provides the cable with a tough, flexible, protective covering, able to withstand exposure to sun light, the atmospheric temperature and stresses during installation and service. Alternative material also available upon request such as LSOH compound (low smoke zero halogen) in order to reduce flame propagation.
- **ARMOR**
Protects the cable from termite, rodent or mechanical disturbance such as crush and impact. Available in metallic (corrugated steel tape) or non-metallic armor (glass tape).
- **RIPCORD**
It's made of nylon or aramid yarns, to provide a means for quick sheath removal.



FEATURE / BENEFITS

- Fibre count up to 144
- Strain free fibres in a stranded loose tube design
- SZ stranding design allows for easy mid-span access and isolate fibers from installation and environmental rigors
- Most common and widely used design
- Complies with international or national standard (IEC, STEL-K)
- Suitable for access and long distance applications

FULL RANGE OF FIBRE TYPES




- G. 651 (Multi mode fibre)
- G. 652 (Single mode fibre)
- G. 655 (NZD fibre for DWDM application)

TYPICAL PARAMETER*

Number of fibres		up to 72	up to 92	up to 144
Nominal outer diameter	mm	15.7	17.5	21.0
Nominal cable weight	kg/km	250	300	425
Minimum bend radius	mm	160	180	220
Maximum tensile load	N	2500	3000	4500
Temperatures	Operation	°C		-20 to +70
	Installation	°C		-10 to +40
	Storage	°C		-20 to +70
Crush resistance	N/100mm			3000
Impact resistance	N.m			10

*Referred to armored design. Many different construction options are available upon specific customer requirements

Full range of protections

-  Water blocked
-  Rodent resistant
-  Impact resistant

Full range of applications

-  Outdoor
-  Underground

Further protections available

-  Flame retardant
-  Termite resistant