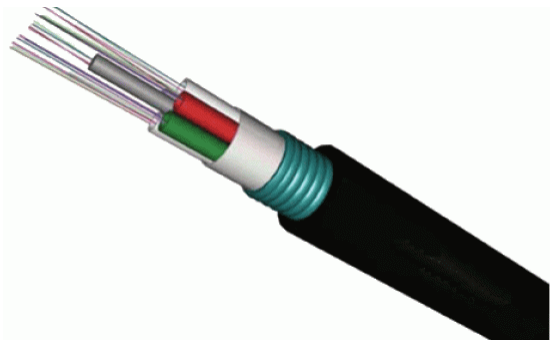


Stranded Loose Tube Armored Cable | FoMUTAMFC



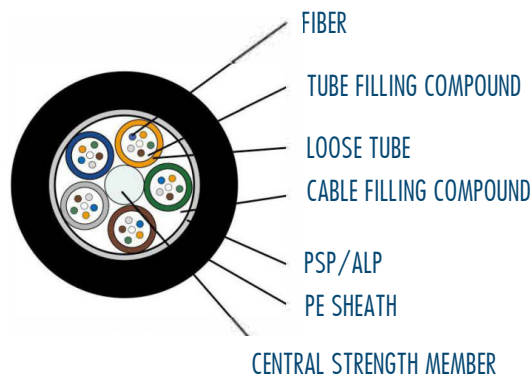
✓ Outdoor / Indoor on request

✓ Single / Multi Tube

DESCRIPTION

The fibers, $250\mu\text{m}$, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A steel wire, sometimes sheathed with polyethylene (PE) for cable with high fiber count, locates in the center of core as a metallic strength member. Tubes (and fillers) are stranded around the strength member into a compact and circular cable core. An Aluminum Polyethylene Laminate (APL) is applied around the cable core, which is filled with the filling compound to protect it from water ingress. then, the cable is completed with a PE sheath.

CABLE ESTRUCTURE



CHARACTERISTICS

- Good mechanical and temperature performance;
- High strength loose tube that is hydrolysis resistant;
- Special tube filling compound ensure a critical protection of fiber;
- Specially designed compact structure is good at preventing loose tubes from shrinking;
- PE sheath protects cable from ultraviolet radiation;
- The following measures are taken to ensure the cable watertight;
- Steel wire used as the central strength member;
- Loose tube filling compound;
- 100% cable core filling;
- APL moisture barrier

STANDARDS

Reference with Standard YD/T 901-2009 as well as IEC 60794-1

TECHNICAL PARAMETERS

Fiber Count	Tubes	Fillers	Cable Diameter (mm)	Cable Weight Kg/Km	Tensile Strength (Long/Short term N)	Crush Resistance (Long/Short term N/100mm)	Bending Radius Dynamic / Static mm
2-6	1	4	8.9	74/88	600/1500	300/1000	10D/20D
8-12	2	3	8.9	74/88	600/1500	300/1000	10D/20D
20-24	4	1	8.9	74/88	600/1500	300/1000	10D/20D
38-48	4	1	9.5	82/97	600/1500	300/1000	10D/20D
62-72	6	0	10.0	98/114	600/1500	300/1000	10D/20D
86-96	8	0	11.2	110/129	600/1500	300/1000	10/20D
134-144	12	0	13.8	163/189	600/1500	300/1000	10D/20D

Transport/Storage/Operating Temperature: - 20°C~ + 60°C

Ideal Technology has a policy of continuous improvement. Specifications are subject to change without notice.