Single core cable armouring

Description

Armour single core and bi–core optical cable consist of stainless steel spiral pipe wrapped closely optical fiber, Kevlar and outer jacket. The optical cable possesses excellent mechanical characteristics and is easy to wiring and process further and is good transmission medium in telecommunication field. The product is widely used for national communication, broadcast and television system, building intelligence control, electric power control system, traffic communication system, Intracity networks and local area network.

Characteristics

Being protected by armoured micro stainless steel soft pipe, it can resist more 3000N of crushed force

Being strengthened by imported aramid fiber, its tensile strength may reach to more 200N

Fire retardant PVC/LSZH/PE/TPU, etc outer jacket may be chosen, conform to UL，RoHS, etc

Standard optical cable outer diameter, compact, light, high integration level

Applications

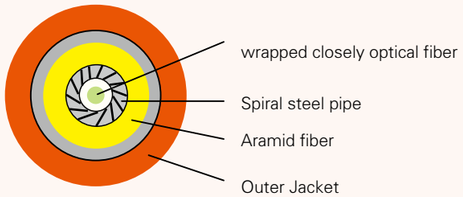
Process armoured jumper

Lay out directly optical cable along with indoor wall, ceil, interlayer and conduit connection

Indoor level wiring, vertical wiring inside building

Communication wiring of army field fight

Oilfield, mining operation, radar, etc communication transmission



Cable structure

Standards

Comply with standard YD/T 1258.2–2003、ICEA–596、GR–409、IEC 60794–2–10/11,etc;and meet the requirements of ULapproval for OFNR and OFNP.

Technical parameters

Optical fiber core number	Outside diameter mm	Tensile Strength Long/Short term N	Crush Resistance Long/Short term N/100mm	Bending Radius Dynamic/Static mm	The general decay 1310/1550nm 850/1300nm
1	3	150N/300N	3000N/4000N	60D/30D	≤0.4/0.3 ≤3.0/1.0
2	3.3	150N/300N	3000N/4000N	66D/33D	≤0.4/0.3 ≤3.0/1.0

Transport/Storage/Operating Temperature: – 20℃~ + 60℃，Installation Temperature: – 5℃~ + 50℃

GJXFH/GJXH)

Bow–type drop cable

Description

The optical fiber unit is positioned in the centre.Two parallel Fiber Reinforced Plastics (FRP) are placed at the two sides. Then, the cable is completed with a black or color LSZH sheath.

Characteristics

Special Low–bend–sensitivity fiber provides high bandwidth and excellent communication transmission property

Two parallel FRP/strength members ensure good performance of crush resistance to protect the fiber

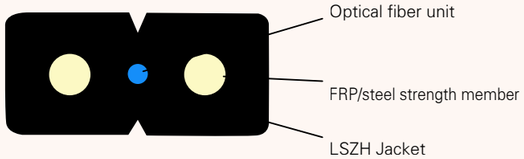
Simple structure, light weight and high practicability

Novel flute design, easily strip and splice, simplify the installation and maintenance

Low smoke,zero halogen and flame retardant sheath

Standards

Comply with standard YD/T 1997–2009、ICEA–596、GR–409、IEC 60794,etc.



Cable structure

Technical parameters

Cable Code	Fiber Count	Cable Size mm	Cable Weight Kg/km	Tensile Strength Long/Short term N	Crush Resistance Long/Short term N/100mm	Bending Radius Static/Dynamic mm
GJXFH–1	1	(2.0±0.2)x(3.0±0.2)	8	30/60	300/1000	15/30
GJXFH–2	2	(2.0±0.2)x(3.0±0.2)	8.5	30/60	300/1000	15/30
GJXFH–4	4	(2.0±0.2)x(4.0±0.2)	10	30/60	300/1000	15/30
GJXH–1	2	(2.0±0.2)x(3.0±0.2)	9	30/60	300/1000	15/30
GJXH–2	2	(2.0±0.2)x(3.0±0.2)	9.5	30/60	300/1000	15/30
GJXH–4	4	(2.0±0.2)x(4.0±0.2)	10	30/60	300/1000	15/30

Storage/Operating Temperature: – 20℃ to + 60℃