

Stranded Loose Tube Mining Flame Retardant Fiber Optic Cable



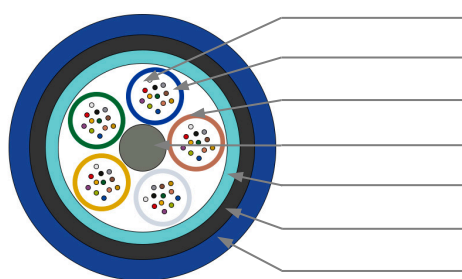
Description

Flame retardant fiber optic cable is also known as mining fiber cable. It is an optical cable that specially used in mines for coals, iron and gold. In order to transmit signals under these environment, mining fiber cable is required to be flame retardant, anti-rodent, and sometime heavy armored for specific applications.

Features

- Special sheath material ensures excellent flame retardant performance
- Good mechanical and temperature performance
- Anti-rodent and steel wire armor available
- Steel tape enhances moisture proof protection
- Central strength member of steel wire
- High strength hydrolysis loose tube filled with fiber filling compound
- Crush resistance and flexibility, 100% cable core filling

Cable Structure



- 1 Optical Fiber
- 2 Tube Filling Compound
- 3 Loose Tube
- 4 Steel Central Strength Member (CSM)
- 5 Steel Tape
- 6 PE Sheath
- 7 Flame Retardant Sheath

Technical Characteristics

Fiber Count	Loose Tubes	Fillers	Cable Weight (kg/km)	Tensile Long/Short (N)	Crush Long/Short (N)	Bending Radius Dynamic/Static (mm)
2~30	1~5	4~0	118	600/1500	300/1000	20D/10D
32~36	6	0	131			
38~60	4~5	1~0	139			
62~72	6	0	170			
74~96	7~8	1~0	200			
98~120	9~10	1~0	230			
122~144	11~12	1~0	268			

Applications: Duct, Buried