



**DOUBLE JACKET
METALLIC ARMOR
ANTI RODENT CABLE**

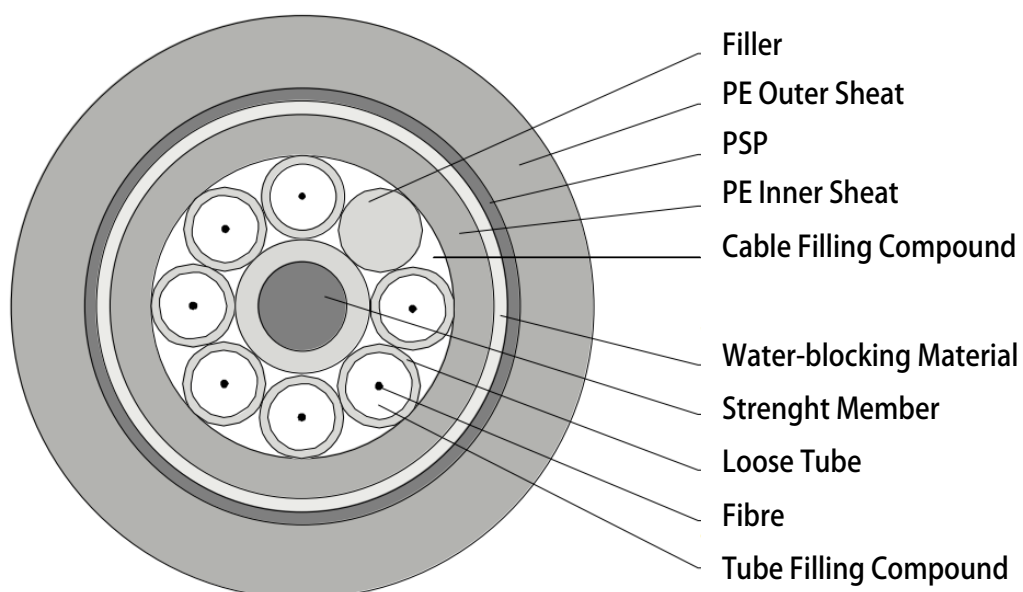
AR-1FADPE11-xxF G652D

1. DESCRIPTION

In the AR-1FADPE11-xxF G652D cable, single-mode/multimode fibres are positioned in the loose tubes, which are made of high modulus plastic materials, while the loose tubes strand together around metallic central strength member into a compact and circular cable core. For certain high fibre count cables, the strength member would be covered with polyethylene (PE). The water-blocking materials are distributed into interstices of the cable core. The cable core is covered with a PE inner sheath, and the PSP is longitudinally applied around the cable core before a PE outer sheath is extruded over it.

2. CHARACTERISTICS

- Excellent mechanical and temperature performance guaranteed by the accurate excess fibre length.
- Critical protection to fibres, based on the excellent hydrolysis resistance and strength performance of tube material and special filling compound filled in the tube.
- Excellent crush resistance and flexibility
- The following measures are taken to ensure the water blocking performance of the cable:
 - Single steel wire used as the central strength member
 - Special water-blocking filling compound in the loose tube
 - 100% cable core filling
 - PSP moisture barrier
 - Water-blocking material



Application: Duct/Aerial/Direct buried

Storing temperature:-40°C to +70°C

Operating temperature:-40°C to +70°C

Bending radius: Static 12.5×D

Dynamic 25×D

OPTICAL CHARACTERISTICS

Cable Type (increased by 2 fibres)	AR-1FADPE11 -xxF G652D 2~36Xn	AR-1FADPE11 -xxF G652D 38~72Xn	AR-1FADPE11 -xxF G652D 74~96Xn	AR-1FADPE11 -xxF G652D 98~120Xn	AR-1FADPE11 -xxF G652D 122~144Xn	AR-1FADPE11 -xxF G652D 146~216Xn
Fibre Count	2~36	38~72	74~96	98~120	122~144	146~216
Tubes + Fillers	6	6	8	10	12	18
Max No. of Fibres in Tube	6	12	12	12	12	12
Cable Diameter (mm)	12.6	14.0	15.7	17.4	19.0	19.0
Cable Weight kg/km	184	216	260	301	354	350
Tensile Strength Long/Short Term N	1000/3000	1000/3000	1000/3000	1000/3000	1000/3000	1000/3000
Crush Resistance Long/Short Term N/100 mm	1000/3000	1000/3000	1000/3000	1000/3000	1000/3000	1000/3000

Note:

1. The colour arrangement of fibre and tube is specified in colour identification table.
2. The normal PE inner sheath thickness is 1.0mm, and PE outer sheath thickness is 2.0mm.

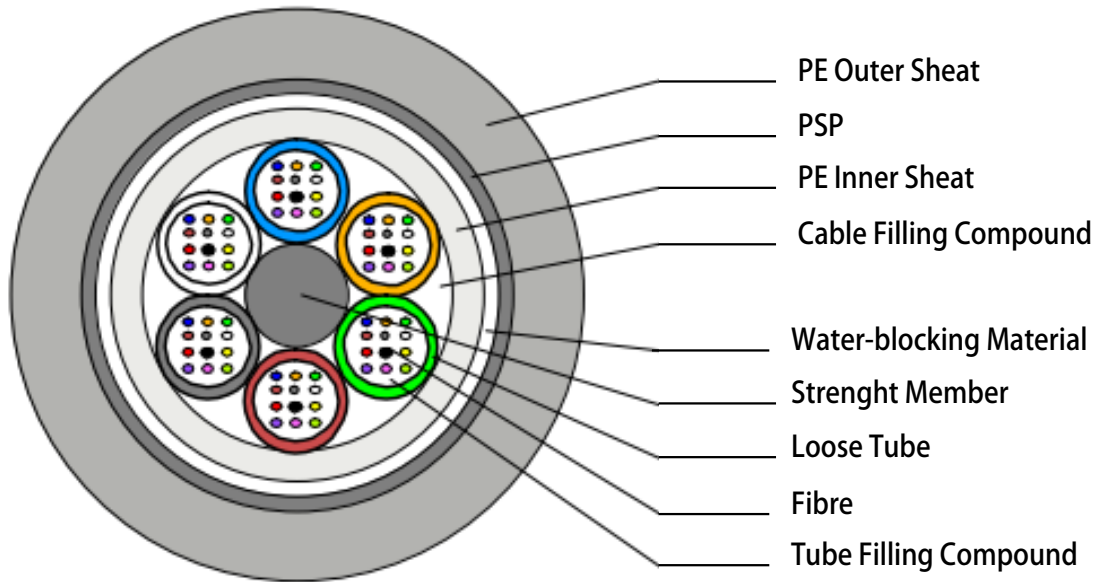


Figure 1
 AR-1FADPE11-72F G652D

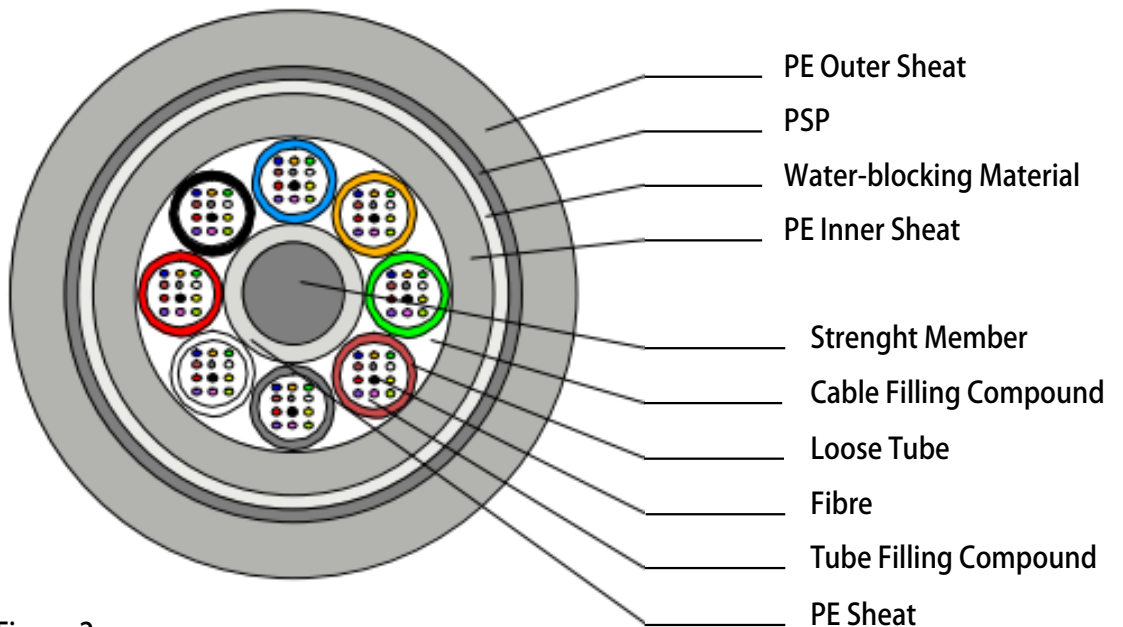


Figure 2
 AR-1FADPE11-96F G652D

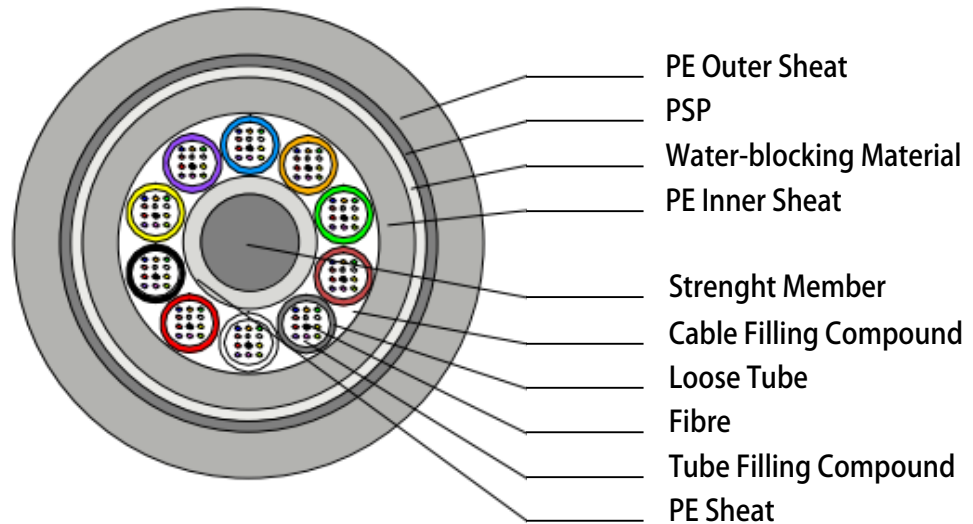


Figure 3
AR-1FADPE11-120F G652D

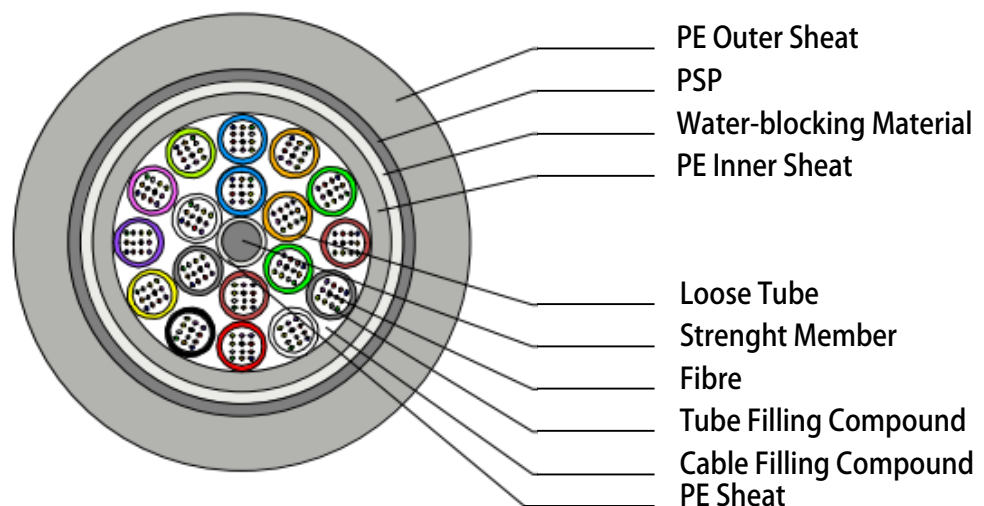


Figure 4
AR-1FADPE11-216F G652D