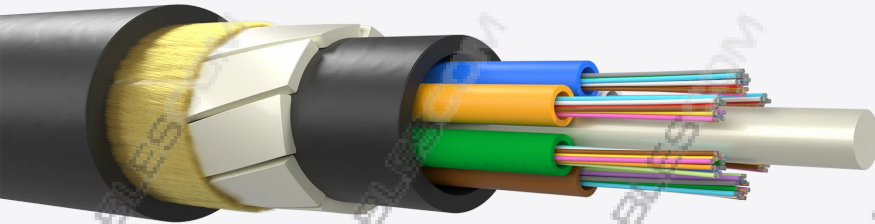


## Loose Tube Aerial Cable PFWKP

30 PAIR TELECOM CABLE, PE INSULATED, ARMOURED, OUTER PVC SHEATH



### Description and application

Outdoor fibre optic cable made up of 72 fibres. The cable is totally dielectric, waterproof and with «Loose tube» structure, then is protected by a double polyethylene sheath, armoured with reinforcing flat fibre-glass dielectric elements as traction resistant elements.

Cable designed for telecommunication connections in medium or long-distance. This cable is available with two types of optic fibres: single-mode according to ITU-T G 652D or multimode 50/125 OM3.

### Construction

- Central element: Fiber-glass reinforced plastic central element.
- Tubes: PBTP «Loose tubes» filled with thixotropic compound. Modules-Tubes with 12 fibres optics in accordance with Table 1.
- Formation: Loose tubes stranded in SZ around central element.
- Water blocking elements: Swellable yarns and tapes to avoid water penetration and to make the cable longitudinally waterproof
- Inner sheath: High density polyethylene (HDPE), black colour.
- Mechanical reinforcement: layer of flat fibre-glass reinforcing elements arranged helically and one layer of aramid yarns.
- Outer sheath: High density black polyethylene (HDPE), UV resistant
- Sheath marking: The cable sheath will be marked with the following information:
  - INFRABEL – OPTICAL FIBER S / Manufacturing year / 72\*Fibre type (G652.D) / Length markings – CABLESCOM – Manufacturing order.
  - Other sheath marks available upon request



TITLE	EDITION	APPROVED BY	DATE
Loose Tube Aerial Cable PFWKP	2.0	O.salomon	2019-09-03

## MODULARITY 12 FO / TUBE

FO No.	72
No. Micromodules/Tubes	6
Weight (kg/km)	270
Nominal OD (mm)	17,4
Maximum tensile strength MAT (N)	6200 N
	No tension in fibres
Impact resistance	4.5 J
	r = 12.5 mm, T <sup>9</sup> 20°C Δα<0.1 db/km, Reversible
Curvature	
Crush resistance	500 daN/dm Δα <0.1 db/km, Reversible
Thermal cycle	-30°C / +70°C Δα < 0.1 dB/km, Reversible
Water penetration	LP agua ≤ 3 m (10 days)
Jacket Thickness / FRP Diam (mm)	