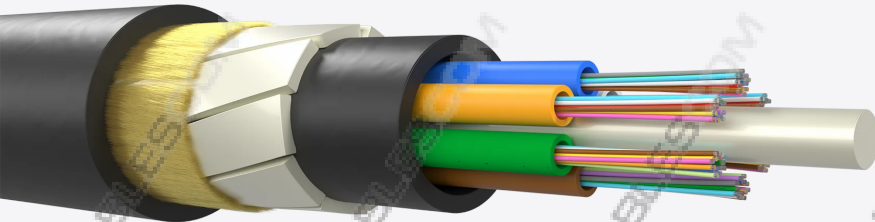


Loose Tube Aerial Cable PFWKP

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 ⁹ 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)	