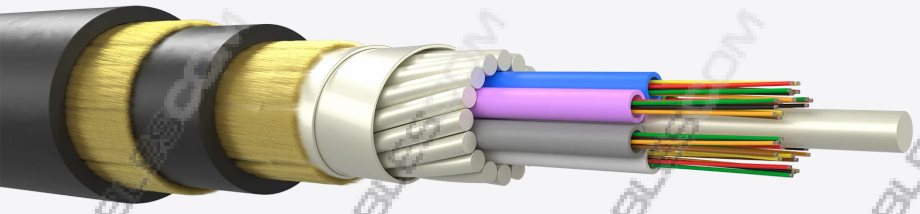
Loose Tube Signalling Cable FVKPKP

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



Description and application

Outdoor fibre optic cable made up of 36 fibres. The cable is totally dielectric, waterproof and with «Loose tube» structure, then is protected by a double polyethylene sheath, armoured with reinforcing dielectric elements, fiber-glass tape and several layers of aramid yarns 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 6 fibres optics in accordance with Table 1.
- Formation: Loose tubes stranded in SZ around central element.
- Water blocking elements: Sweallable yarns and tapes to avoid water penetration and to make the cable longitudinally waterproof
- Inner sheath: High density polyethylene (HDPE), black colour.
- Mechanical reinforcement: reinforcing elements arranged helically: armour (4), fibre-glass tape (5) as shotgun protection and aramid yarns layer (6).
- Mechanical reinforcement: additional aramid yarns as traction resistant.
- Outer sheath: High density polyethylene (HDPE), blue coloured:
    - (PMS Colour: 293 – 100%), UV resistant.

MODULARITY 12 FO / TUBE

FO No.	36
No. Micromodules/Tubes	6
Weight (kg/km)	310
Nominal OD (mm)	19,5
Maximum tensile strength MAT (N)	7000 N
	No tension in fibres
Impact resistence	4.5 J
	r = 12.5 mm, Tº 20ºC Δα<0.1 db/km, Reversible
Curvature	Rmin = 20xØCable
Crush resistance	500 daN/dm Δα <0.1 db/km, Reversible
Thermal cycle	-30ºC / +70ºC Δα < 0.1 dB/km, Reversible
Water penetration	LP agua ≤ 3 m (10 days)
Jacket Thickness / FRP Diam (mm)	