

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.



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Certified Company ISO 9001 - ISO 14001

All drawings, weights and dimensions details, as well as tube and fibre colours in this document are only indicative and

TITLE	EDITION	APPROVED BY	DATE
Loose Tube Signalling Cable FVKPKP	2.3	O.salomon	2023-04-26



MODULARITY 12 FO / TUBE					
	19			19	
FO No.	72	, J	36	Z Z	
No. Micromodules/Tubes	8	- 5 ²	5	Š.	
Weight (kg/km)	-	-	310	-	
Nominal OD (mm)	À	£ £	19,5	É	
88	8	8	7000 N	8	
Maximum tensile strength MAT (N)	No	tension in fibres	Ä	
Impact resistence	S _	- S	4,5 J	Š	
		$r=12.5$ mm, T^{o} 20°C Δα<0.1 db/km, Reversible			
Curvature	d	Rn	nin = 20xØCable	Š	
Crush resistance	.6	500 daN/dm $\Delta lpha <$ 0.1 db/km, Reversible			
Thermal cycle	24	-30 $^{\circ}$ C / +70 $^{\circ}$ C $\Delta \alpha$ < 0.1 dB/km, Reversible			
Water penetration	8	LP ag	ua ≤ 3 m (10 days)	Š	
Jacket Thickness / FRP Diam (mn	n)				



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