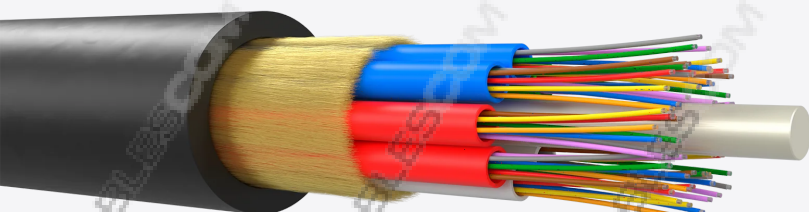


Outdoor Loose Tube KP

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



Description and application

Loose tube single mode optical fibre cable, totally dielectric up to 512 fibres. The tubes are filled with a thixotropic filling compound. Water blocking between the tubes is achieved by swellable dry elements. The core is protected by a polyethylene sheath, KP type.

Suitable for installation in ducts

Construction

- Loose Tubes: PBT loose tubes filled up to 8 optical fibres with thixotropic compound and containing single mode optical. Colour coding of tubes and fibres according to tables 1 and 2.
- Optical fibres: single mode optical fibres according to ITU-T G.652 D.
- Central Element: Fibre-glass reinforced plastic central element.
- Core formation: Loose tubes stranded in SZ. Swellable yarns and tapes to avoid water penetration and make the cable waterproof.
- Mechanical reinforcement: Aramid yarns as traction resistant
- Outer jacket: Black polyethylene sheath.
- Sheath marking: The cables will be marked with the following information
 - CABLESCOM / Year / Fibre Num / Fibre Type / Sheath Type / Length markings
 - Other marks are available on request

MODULARITY 12 FO / TUBE

FO No.	16	24	32	48	64	128	256	512
No. Micromodules/Tubes	4	4	4	8	8	8	16	32
Weight (kg/km)	92	94	96	97	114	179	214	282
Nominal OD (mm)	11,2	11,2	11,2	11,2	12,3	15,8	17,3	19,7
Maximum tensile strength MAT (N)	3500N ($\Delta\epsilon_f=0.05\%$, $\Delta\alpha\leq 0.05$ dB)							
Impact resistance	5 J 10 mm ($\Delta\alpha\leq 0.05$ dB)							
Curvature	R=15 x Ø cable; $r \geq 250$ mm ($\Delta\alpha\leq 0.05$ dB)							
Crush resistance	2000 N ($\Delta\alpha\leq 0.05$ dB)							
Thermal cycle	-25°C / 70°C (operación, $\Delta\alpha\leq 0.05$ dB)							
Water penetration	LPagua ≤ 1 m (14 días)							
Jacket Thickness / FRP Diam (mm)								