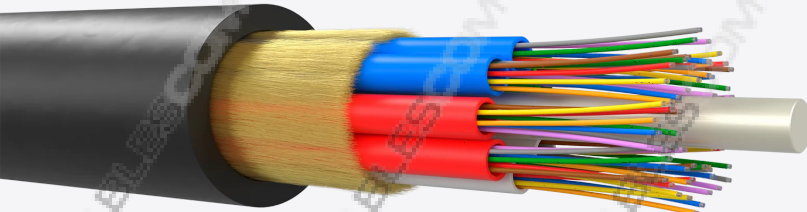


## Outdoor Loose Tube KP

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 ≥ 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)								