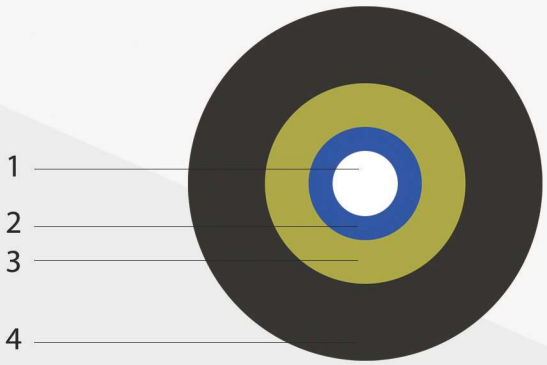
Optix S-QOTKSdD

1-6x9 / 125 ITU-T G.657A2

Cable construction:

1. Optical fiber;
2. fiber coveirng;
3. aramid;
4. PU sheath.



Optix S-NOTKSp is universal, self-supporting fiber optic cable adjusted to use outdoor and indoor. It's reinforced with fiber aramid. The product outstands with grand pliability and resistance to dragging. The covering is resistant to radiation UV and totally dielectric. The G.657A2 fiber were applied. The cable provides easy conduction and installation, it's being selled on comfortable, rotating reels. The optical fiber was designed for aerial installations with bays of 80 - 100 m and installations in primal and secondary teletechnical canalistation.

Characterisic		
Temperature	Installation: -10 - 60 deg. C Operation: -40 - 60 deg. C	Transport and storage: -40 - 60 deg. C
Application	Subscriber's cable, FTTH networks, connection inside and outside of buildings	

Construction	Fibers	Weight	Cable diameter	Fiber type	Coating thickness
S-QOTKSdD 1x9/125	1	8,4 kg/km	3 mm	G657A2	PU 0,75 mm
S-QOTKSdD 2x9/125	2	7,8 kg/km	3 mm	G657A2	PU 0,75 mm
S-QOTKSdD 4x9/125	4	7,9 kg/km	3 mm	G657A2	PU 0,75 mm
S-QOTKSdD 6x9/125	6	8,6 kg/km	3 mm	G657A2	PU 0,75 mm

Mechanical properties	EN standard	IEC standard	1-6
Max tensile strength (installation)	EN187000	IEC794-1-E1	800 N
Crushing resistance	EN187000, m. 504	IEC794-1-E3	500 N / 100 mm
Impact	EN50268-2	IEC794-1-E4	10 impacts, 2 Nm
Cable bend		IEC794-1-E11	6 [cycles(15xD)]
Repeating bending	EN187000, m. 505	IEC794-1-E6	10 [cycles(20xD)]
Flexing		IEC794-1-E8	< 20000 cycles R=90m
Torsion	EN187000, m. 507	IEC794-1-E7	5 cycles 180°, load: 50N 2m
Vibration	EN187000	IEC794-1	
Water penetration	EN187000, m. 50	IEC794-1-F5B	3m sample, 24h
Temperature cycling test		IEC794-1-F1	1cycle time per step: 12h
Abrasion		IEC794-1-E2	