

Fiber Optic Cable

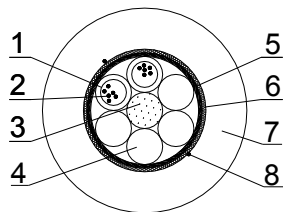
ADSS-XOTKtsdD 1,5kN (max2,5kN) 4-48 Fibres

Spec. No. 2724/1/0

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Type: aerial, non-metallic, unfilled, reinforced




Cross section of 2x6 FO cable



Cable construction:

1. Optical fibres
2. Loose tube
3. Central element non-metallic
4. Filler
5. Waterblocking tape
6. Reinforcement – aramid yarn
7. Outer sheath
8. Ripcord

CONSTRUCTION				
Element	Type	Material	dimension	
Fibres	ITU-T G.652D or according to the attached specifications			
Identification of fibers	Comply to IEC 60304: Red, Green, Blue, White, Violet, Orange, Grey, Yellow, Brown, Pink, Black, Turquoise			
Identification of tubes/ elements	Blue, Yellow, Natural, Green, filler - black			
Central support member	Straight rod,	Fibre Reinforced Plastic	ϕ 2,3 mm	
Secondary coating	loose tube - thermoplastic material, containing 2, 4,6 or 12 fibres,	PBT	ϕ 2,1 mm (approx.)	
Filling of the tube	gel	Thixotropic gel		
Interstitial waterblocking	Dry sealed	Swelling tape	thickness: 0,20mm (approx.)	
Reinforcement	Dielectric yarn	Aramid		
Outer sheath	Black	extruded HDPE polymer density ≥ 0,945 g/cm ³	thickness: minimum spot average	1,3mm 1,5mm
Attenuation @1310nm	≤ 0,4 dB/km *)			
Attenuation @1550nm	≤ 0,25 dB/km *)			
Marking/Printing:	FIBRE OPTIC CABLE ADSS-XOTKtsdD 24J 2,5kN TF Kable 1 2012  (or according to the agreement). Length marking every metre			
Standard delivery lengths	4200 ± 100 m; to be agreed			

*) Max attenuation for SMF in cable - other parameters of the fiber according to the attached specifications

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PARAMETERS

No. of fibres in a cable	Outer diameter of tube	No. of elements in a cable (tubes/fibers)	Cable dimensions		Mechanical properties				
			Outer diameter	Cable weight	Rated working tension	Max. working tension	Rated tensile strength	Young module	Thermal expansion coefficient
	[mm]		[mm]	[kg/km]	[kN]	[kN]	[kN]	[GPa]	[1/°C]
4 - 48	2,1	6	10,0 ± 0,2	80	1,5	2,5	7,5	6,0	14,6 x 10 ⁻⁶

FEATURES

- fully dielectric and resistant to electromagnetic interferences
- secured from longitudinal water penetration
- resistant to abrasion, UV and stress corrosion

APPLICATIONS

Cable is designated for a long distance transmission of digital and analogue signals within the whole optical bandwidth used in wide and local telecom networks of any spatial configuration. Suitable for aerial installations

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