

Fiber Optic Cable

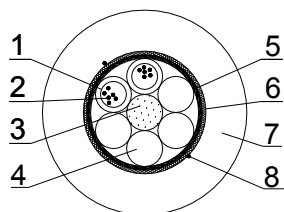
ADSS-XOTKtsdD 2,5kN (max 5kN) 4-48 Fibres

Spec. No. 2788/1/0

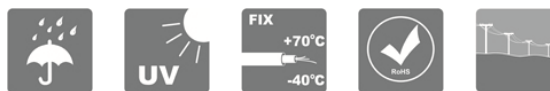
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Type: aerial, non-metallic, unfilled, reinforced




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 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]		[kg/km]	[kN]	[kN]	[kN]	[GPa]	[1/°C]	
4 - 48	2,1	6	10,5 ± 0,2	85	2,5	5,0	11,0	8,5	10,5 x 10 ⁻⁶

FEATURES
<ul style="list-style-type: none">- 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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