

ADSS* – non-armoured multi-fiber loose tube cables – up to 12 fibers



*ADSS = All-Dielectric, Self-Supporting

Design

Cable design	multi-fiber loose tube, jelly-filled
Strain relief	Aramide yarn
Jacket material	HDPE
Jacket colour	black

Properties

- Extremely light weight cable construction
- Optimized diameter for easy installation
- Metal free outdoor cable
- Strain relief with Aramide yarn
- For high mechanical requirements
- Surface resistance properties

Applications

- Areal use
- Self-supporting

Note: Installation material such as support-anchor and dead-end-anchor's are additionally available.

According to IEC 60794-1-2

Ordering information

12-.../BW(ZN)V-...55
Please see page 151

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Specification			
Jacket material		HDPE	
Jacket Ø		5.5	mm
Multi fiber loose tube		mini	
Approx. weight		23	kg/km

Mechanical properties				
Tensile strength	during installation	2800	N	IEC 60794-1-2 E1
	in service	1400	N	
Min. bend radius	during installation, 6 turns	82.5	mm	IEC 60794-1-2 E11
	in service, 6 turns	55	mm	
Crush resistance	short-term	500	N/cm	IEC 60794-1-2 E3
	long-term	300	N/cm	
Surface resistance		> 12 kV		EN 50305 § 6.6

Thermal properties				
Temperature range	during installation	-10 to +70	°C	IEC 60794-1-2 F1
	in service	-10 to +70	°C	
	in storage	-10 to +70	°C	

Specification for singlemode at 1550 nm, for multimode at 1300 nm

Combustion properties				
Fire load		0.81	MJ/m	
2002/95/EC (RoHS)		compliant		

Performance under load				
Span length (m)	Sag (%)	Sag (m)	Wind load (km/h)	Tensile load with wind load (N)
50	1.5	0.75	100	694
100		1.25		1664
150		2.25		2081
200		3.00		2774