

Simplex cables with soft semi-tight tube



Design

Tube	soft semi-tight tubes 0.9 mm
Strain relief	Aramide yarn
Jacket material	LSFH™
Jacket colour	E9 yellow

Properties

- Metal free indoor cable
- Each fiber strain relieved
- For direct connector assembly with strain relief
- Tube can be stripped up to 1 m with a special tool
- Low fire load for high safety requirements
- Jacket material according to UL 94V-0
- Halogen free and non-corrosive fire gases
- Only available with singlemode E9 fibers

Applications

- Installation in indoor area
- Measurement cable withstanding mechanical loading
- Patch cable in distribution centres
- Data cable in distribution networks
- Ideal for applications involving safety requirements in case of fire

According to IEC 60794-1-2

Ordering information

01-.../SWJH-...

Please see page 138

Approvals

Cable Ø 2.4 mm for assemblies approved as patch cable by the Deutsche Telekom AG (DTAG)

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Specification							
Jacket Ø	1.7	2.1	2.4	2.7	3.0	mm	
Tube Ø	0.9	0.9	0.9	0.9	0.9	mm	
Approx. weight	2.8	3.8	5.3	7.0	8.5	kg/km	

Mechanical properties								
Tensile strength	during installation	100	200	300	400	500	N	IEC 60794-1-2 E1
	in service	50	100	150	200	250	N	
Min. bend radius	during installation	50	50	50	50	50	mm	IEC 60794-1-2 E11
	in service	25	25	25	25	25	mm	
Crush resistance	short-term	500	500	700	700	700	N/cm	IEC 60794-1-2 E3
	long-term	300	300	500	300	300	N/cm	
Impact resistance	Wp = 2.21 J, r = 25 mm	10	10	10	10	10	impacts	IEC 60794-1-2 E4
Repeated bending	r = 25 mm, weight = 0,5 kg	5000	5000	5000	5000	5000	cycles	IEC 60794-1-2 E6

Thermal properties							
Temperature range	during installation	-10 to +50				°C	IEC 60794-2-50 F12
	in service	-40/+70	-25 to +70		-20/+70	°C	
	in storage	-40 to +60				°C	

Combustion properties								
Fire load		0.06	0.08	0.11	0.15	0.18	MJ/m	
Fire propagation	on a vertical single cable			p	p	p		IEC 60332-1
	on a vertical cable bundle				p	p		IEC 60332-3-24
Halogen acid gas	jacket material	p	p	p	p	p		IEC 60754-1
Degree of acidity	jacket material	p	p	p	p	p		IEC 60754-2
2002/95/EC (RoHS)		compliant						

p = passed

Specification for singlemode at 1550 nm