

Simplex cables with semi-tight tube



Design

Tube	semi-tight tubes 0.9 mm	
Strain relief	Aramide yarn	
Jacket material	LSFH™	
Jacket colour	E9	yellow
	OM2	orange
	OM3	turquoise
	OM4	heather violet
	G62.5	orange

Properties

- Metal free indoor cable
- Each fiber strain relieved
- For direct connector assembly with strain relief
- Tube can be stripped up to 2 m
- Halogen free and non-corrosive fire gases
- Jacket material according to UL 94V-0
- Low fire load for high safety requirements

Applications

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

According to IEC 60794-1-2

Ordering information

01-.../CWJH-...

Please see page 137

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Specification					
Jacket Ø	2.0	2.7	3.0	mm	
Tube Ø	0.9	0.9	0.9	mm	
Approx weight	3.7	6.4	8.5	kg/km	

Mechanical properties						
Tensile strength	during installation	200	200	300	N	IEC 60794-1-2 E1
	in service	100	100	200	N	
Min. bend radius	during installation	50	50	50	mm	IEC 60794-1-2 E11
	in service	25	30	30	mm	
Crush resistance	short-term	250	500	500	N/cm	IEC 60794-1-2 E3
	long-term	100	100	100	N/cm	
Impact resistance	W _p = 0.74 J, r = 25 mm	20	20	20	impacts	IEC 60794-1-2 E4
Repeated bending	r = 25 mm, weight = 0,5 kg	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	-20 to +70			°C	
	in storage	-25 to +60			°C	

Specification for singlemode at 1310 nm, for multimode at 1300 nm

Combustion properties						
Fire load		0.08	0.13	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		IEC 60754-1
Degree of acidity	jacket material	p	p	p		IEC 60754-2
2002/95/EC (RoHS)		compliant				

p = passed

Technical data for cable types with H200 fiber might vary