

Simplex cables



Properties

- Metal free indoor cable
- Each fiber strain relieved
- For direct connector assembly with strain relief
- Tight bending radii
- High flexibility
- Halogen free and non-corrosive fire gases
- Jacket material according to UL 94V-0
- Low fire load for high safety requirements

Applications

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



Design

Tube	tight buffered tube 0.6 mm, stripped up to 30 mm semi-tight tubes 0.9 mm, stripped up to 1 m	
Strain relief	aramide yarn	
Jacket material	LSFH™	
Tube colour	E9	yellow
	G50 - OM2	orange
	G50 - OM3	turquoise
	G50 - OM4	heather violet
	G50 - OM5	lime green
	G62.5 - OM1	orange

According to IEC 60794-1-2

Ordering information

01-.../VJH...14

01-.../CWJH...17

01-.../CWJH...20

01-.../CWJH...24

01-.../CWJH...27

Please see page 144, 145.

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Specification							
Jacket Ø	mm	1.4	1.7	2.0	2.4	2.7	
Tube Ø	mm	0.6	0.9	0.9	0.9	0.9	
Approx weight	kg/km	2.0	3.0	4.0	5.3	7.0	

Mechanical properties								
Tensile strength	during installation	N	150	150	400	400	400	IEC 60794-1-2 E1
	in service	N	100	100	200	200	200	
Min. bend radius ¹⁾	during installation	mm	25	50	50	50	50	IEC 60794-1-2 E11
	in service	mm	25	25	25	25	25	
Crush resistance	short-term	N/dm	2000	3000	3000	5000	5000	IEC 60794-1-2 E3
	long-term	N/dm	500	1000	1000	1000	1000	
Impact resistance	W _p = 0.5 J	impacts	10	3	3	10	20	IEC 60794-1-2 E4
	W _p = 0.74 J							
	W _p = 1.0 J							
Repeated bending	r = 25 mm	cycles	1000	5000	5000	1000	5000	IEC 60794-1-2 E6

Thermal properties								
Temperature range	during installation	°C	-10 to +50	-10 to +50	-10 to +50	-10 to +50	-10 to +50	IEC 60794-1-22 F12
	in service	°C	-25 to +70	-25 to +70	-25 to +70	-25 to +70	-10 to +70	
	in storage	°C	-40 to +70	-40 to +70	-40 to +70	-40 to +70	-40 to +70	

Combustion properties								
Fire load		MJ/m	0.05	0.08	0.10	0.15	0.17	
Fire propagation	on vertical single cable			p	p	p	p	IEC 60332-1-2 IEC 60332-3-25
	on vertical cable bundle				p	p	p	
Smoke density			p	p	p	p	p	IEC 61034-2
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
2011/65/EC (RoHS)			compliant					
(EU) No 305/2011 (CPR)				Dca-s1a, d0, a1				EN 50575

p = passed

¹⁾ Smaller bending radius are possible with E9/125 LowBend (ITU G.657) and G50/125-OM3/OM4 bend optimised.