

# Optipack cable with 8, 12 and 24 fibers



## Properties

- Metal free indoor cable
- Strain relief with aramide yarn
- For direct connector assembly with strain relief
- Tight bending radii
- Low smoke, halogen free and self-extinguishing
- Optimized outer-diameter construction
- Ruggedized and non-ruggedized cable construction

## Applications

- data center
- Fits multi fiber connectors (as MPO/MTP®)

## Design

Strain relief	aramide yarn	
Jacket material	LSFH™	
Tube colour	E9 low bend	yellow
	G50 - OM3	turquoise
	G50 - OM4	heather violet
	G50 - OM5	lime green

According to IEC 60794-1-2

## Ordering information

08-.../(ZN)H-...20
12-.../(ZN)H-...20
24-.../(ZN)H-...30
08-.../(ZN)H-...30
12-.../(ZN)H-...30
24-.../(ZN)H-...36

Please see page 148.

# Optipack cable with 8, 12 and 24 fibers

Specification						
Type		Non-ruggedized		Ruggedized		
No. of fibers	fibers	8 and 12	24	8 and 12	24	
Jacket Ø	mm	2.0	3.0	3.0	3.6	
Approx weight	kg/km	3.6	8.0	8.3	11.0	

Mechanical properties							
Tensile strength	during installation	N	200	200	500	500	IEC 60794-1-21 E1
	in service	N	100	100	200	200	
Min. bend radius	during installation	mm	20	20	20	20	IEC 60794-1-21 E11
	in service	mm	10	10	10	10	
Crush resistance	during installation	N/dm	1000	1000	5000	5000	IEC 60794-1-21 E3
	in service	N/dm	100	100	1000	1000	
Impact resistance	Wp=0.5J		50	50			IEC 60794-1-21 E4
	Wp=1.0J	impacts			50	50	
Kink resistance	r=5mm		p	p	p	p	IEC 60794-1-21 E10

Thermal properties							
Temperature range	during installation	°C	-10 to +50				IEC 60794-1-22 F12
	in service	°C	-10 to +60	-10 to +60	-20 to +70	-20 to +70	
	in storage	°C	-20 to +70	-20 to +70	-20 to +70	-20 to +70	

Combustion properties							
Fire load		MJ/m	0.07	0.17	0.18	0.24	
Fire propagation	on a vertical single cable		p	p	p	p	IEC 60332-1-2
	on a vertical cable bundle		p	p	p	p	IEC 60332-3-25
Smoke density			p	p	p	p	IEC 61034-2
Halogen acid gas	jacket material		p	p	p	p	IEC 60754-1
Degree of acidity	jacket material		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