

# Fire resistant breakout cables 2.0 mm



## Properties

- Metal free indoor cable
- Each fiber strain relieved
- For direct connector assembly with strain relief
- Ripcord for easy jacket removal
- Low smoke, halogen free and self-extinguishing
- Cable with improved fire performance

## Applications

- Installation in indoor areas
- Data cable in distribution networks
- For installation in cable ducts
- Ideal for applications involving high safety requirements in case of fire
- For horizontal and collapsed backbone cabling



## Design

Cable design	central strength member, non-metallic 4 to 12 single fiber cables with semi-tight tubes strain relief (aramide yarn) separating tape and 1 ripcord	
Channel marketing	single fiber cable numbered	
Jacket material	LSFH™ - double jacket with flame barrier	
Tube/jacket 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

04.../CWJSNHH...20

08.../CWJSNHH...20

12.../CWJSNHH...20

Please see page 150.

## Approvals

DNV GL Type approved

Certificate No. TAE 0000192

# Fire resistant breakout cables 2.0 mm

Specification		4	8	12	
Jacket Ø	mm	10.0	12.0	15.0	
Single fiber cable Ø	mm	2.0	2.0	2.0	numbered
Tube Ø	mm	0.9	0.9	0.9	
Approx. weight	kg/km	108	147	216	

Mechanical properties						
Tensile strength	during installation	N	1200	2400	4000	IEC 60794-1-2 E1
	in service	N	4 × 100	8 × 100	12 × 100	
Min. bend radius	during installation	mm	145	175	220	IEC 60794-1-2 E11
	in service	mm	95	115	145	
Crush resistance	short-term	N/dm	4000	4000	4000	IEC 60794-1-2 E3
	long-term	N/dm	2000	2000	2000	
Impact resistance	W <sub>p</sub> = 2.21 J, r = 25 mm	impacts	50	50	50	IEC 60794-1-2 E4
Repeated bending	r = 100 mm	cycles	1000	1000	1000	IEC 60794-1-2 E6

Thermal properties						
Temperature range	during installation	°C	-10 to +60			IEC 60794-1-22 F12
	in service	°C	-25 to +70			
	in storage	°C	-40 to +70			

Combustion properties						
Fire load		MJ/m	2.50	3.35	5.00	
Fire propagation	on a vertical single cable		p	p	p	IEC 60332-1-2
	on a vertical cable bundle		p	p	p	IEC 60332-3-24
Fire test	with circuit integrity (CI)	min.	180	180	180	IEC 60331-25
Fire test	with circuit integrity (CI) with shock	min.	180	180	180	IEC 60331-31
Smoke density			p	p	p	IEC 61034-2
Halogen acid gas	jacket material		p	p	p	IEC 60754-1
Degree of acidity	jacket material		p	p	p	IEC 60754-2
2011/65/EC (RoHS)			compliant			

p = passed