

Breakout cables 2.0 mm



Lloyd's
Register



Design

Cable design	central strength member, non-metallic 4 to 16 single fiber cables with semi-tight tubes strain relief (Aramide yarn) separating tape and 1 ripcord	
Channel marking	single fiber cable numbered	
Jacket material	LSFH™	
Outer jacket colour	E9	yellow
	OM2	orange
	OM3	turquoise
	OM4	heather violet
	G62.5	orange

Properties

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

Applications

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

According to IEC 60794-1-2

Approvals

Germanischer Lloyd,
GL-approval certificate no. 24 367-04 HH
Lloyd's Register
LR-approval certificate no. 05/200 44

Ordering information

04-.../CWJSNH-...20
08-.../CWJSNH-...20
12-.../CWJSNH-...20
16-.../CWJSNH-...20
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Specification	4	8	12	16		stranding
Jacket Ø	7.0	9.0	12.0	12.0	mm	
Single cable Ø	2.0 ¹⁾	2.0 ¹⁾	2.0 ¹⁾	2.0	mm	with one tube each
Tube Ø	0.9	0.9	0.9	0.9	mm	with one fiber each
Strength member	1.0	3.2	5.8	1.6	mm	
Channel marking on single fiber cable	numbered					
Approx. weight	47	82	144	135	kg/km	

1) also available with Ø 2.7 mm single cable

Mechanical properties							
Tensile strength	during installation	1200	2400	4000	4800	N	IEC 60794-1-2 E1
	in service	4 x 100	8 x 100	12x100	16x100	N	
Min. bend radius	during installation	100	120	180	180	mm	IEC 60794-1-2 E11
	in service	70	80	120	120	mm	
Crush resistance	short-term	750	750	750	400	N/cm	IEC 60794-1-2 E3
	long-term	200	200	200	200	N/cm	
Impact resistance	Wp = 2.21 J, r = 25 mm	50	50	50	50	impacts	IEC 60794-1-2 E4
Repeated bending	r = 100 mm, weight = 5.4 kg	1000	1000	1000	1000	cycles	IEC 60794-1-2 E6
Flexing		10'000	10'000	10'000	10'000	cycles	IEC 60794-1-2 E8
Torsion	± 360°, l = 1000 mm m = 2 kg	25'000	25'000	25'000	25'000	cycles	IEC 60794-1-2 E7

Thermal properties						
Temperature range	during installation	-10 to +60			°C	IEC 60794-2-50 F1
	in service	-25 to +70			°C	
	in storage	-40 to +60			°C	

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

Combustion properties							
Fire load		1.09	1.63	3.15	2.95	MJ/m	
Fire propagation	on a vertical single cable	p	p	p	p		IEC 60332-1
	on a vertical cable bundle	p	p	p	p		IEC 60332-3-24
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
2002/95/EC (RoHS)		compliant					

p = passed

Technical data for cable types with H200 fiber might vary