

Flame retardant cables for data centers

Stay worryfree and
maximise efficiency



Construction Products Regulation

One of the aims of the EU Construction Products Regulation (No. 305/2011) is to ensure the protection of people's health and increase the safety of buildings. It defines a standardised classification for all cables that are permanently installed in construction works (buildings and civil engineering works) and governs their marketing and further distribution on the European Market. As a result, all cables falling under this regulation must have a declaration of performance and CE marking when they are marketed. This has been compulsory since July 2017.

Which cables fall under the Construction Products Regulation?

Power, control and communication cables and lines are listed as construction products in the Construction Products Regulation if they are permanently installed in construction works and contribute to the basic function of the construction.

The following buildings and civil engineering works are regarded as construction works

- Houses
- Commercial buildings
- Tunnels
- etc.

The following do not fall under the Construction Products Regulation

- Lift facilities
- Escalators
- Machinery and production facilities
- Vehicles such as cars, trams, trains, ships
- Cables laid outdoors
- etc.

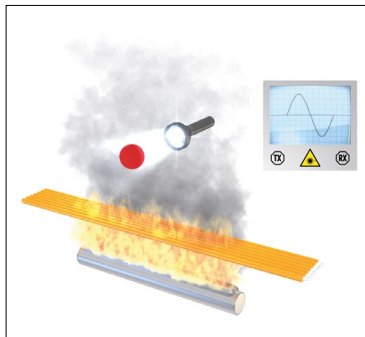
Cables with insulation and functional integrity and functional endurance used in safety systems, such as fire alarm systems and security lighting, do not fall under the Construction Products Regulation.

Classification

Class	Classification / Test methods	Additional classifications / Test methods		
		Smoke production	Falling flaming droplets/ particles	Acidity (acid content) of the gases in the smoke
A _{ca}	Heat of combustion EN ISO 1716	Not applicable		
B1 _{ca}	Heat release and flame propagation EN 50399	s1a, s1b, s1, s2, s3 EN 50399, EN 61034-2	d0, d1, d2 EN 50399	a1, a2, a3 EN 60754-2
B2 _{ca}				
C _{ca}				
D _{ca}	Flame propagation EN 60332-1-2			
E _{ca}	Flame propagation EN 60332-1-2	Not applicable		
F _{ca}	Does not correspond to E _{ca}			

Additional classification to B1_{ca} / B2_{ca} / C_{ca} / D_{ca}

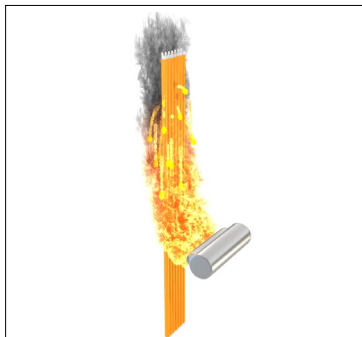
Smoke production



s = smoke

- s1 low smoke production
- s2 moderate smoke production
- s3 potentially heavy smoke production

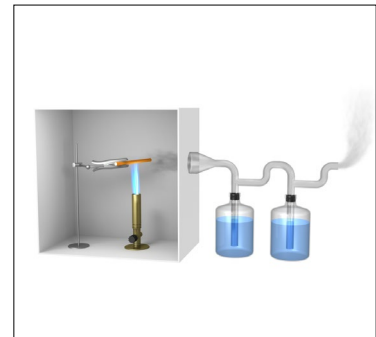
Falling flaming droplets



d = droplets

- d0 no falling flaming droplets/particles
- d1 temporarily falling flaming droplets
- d2 potentially continuously falling flaming droplets

Acidity (acid content) of the gases in the smoke



a = acid

- a1 Slightly corrosive gases from smoke
- a2 Moderately corrosive gases from smoke
- a3 Potentially heavily corrosive gases from smoke

Fiberoptic cable CPR B2_{ca}-s1,d0,a1

Simplex cables

LSFH™ jacket with semi-tight tube and tight tube



Item no.	Cable type	Description
t.b.d	01-E9/VJH-E19#B	Simplex cable Ø 1.9mm, 1 x 9/125 µm G.652.D/G.657.A1, tight tube 0.6 mm, LSFH yellow
t.b.d	01-E9A2/VJH-E19#B	Simplex cable Ø 1.9mm, 1 x 9/125 µm G.657.A2, tight tube 0.6 mm, LSFH yellow
t.b.d	01-G50/VJH-L19#B	Simplex cable Ø 1.9mm, 1 x 50/125 µm OM4, tight tube 0.6 mm, LSFH heather violet

Simplex cables according DTAG specification

LSFH™ jacket with semi-tight tube and tight tube



Item no.	Cable type	Description
85153231	01-E9/CHJH-E19#B	simplex cable Ø 1.9 mm, 1 x 9/125 µm G.652.D/G.657.A1, semi tight tube 0.9 mm, LSFH yellow
85175570	01-E9A2/VJH-F19#B	simplex cable Ø 1.9 mm, 1 x 9/125 µm G.657.A2, tight tube 0.6 mm, LSFH white

Duplex cable figure 8 - 2.0mm

LSFH™ jacket with tight tube



Item no.	Cable type	description
t.b.d	02-E9/VJH-E20#B	duplex cable figure 8 Ø 2.0 x 4.1 mm, 2 x 9/125 µm G.652.D/G.657.A1, tight tube 0.6 mm, LSFH yellow
t.b.d	02-E9A2/VJH-E20#B	duplex cable figure 8 Ø 2.0 x 4.1 mm, 2 x 9/125 µm G.657.A2, tight tube 0.6 mm, LSFH yellow
t.b.d	02-G50/VJH-L20#D	duplex cable figure 8 Ø 2.0 x 4.1 mm, 2 x 50/125 µm OM4, tight tube 0.6 mm, LSFH heather violet

Duplex cable figure 8 - 2.0mm acc. to DTAG specification

LSFH™ jacket with tight tube



Item no.	Cable type	description
85178751	02-E9/VJH-E20#B	duplex cable figure 8 Ø 2.0 x 4.1 mm, 2 x 9/125 µm G.652.D/G.657.A1, tight tube 0.6 mm, LSFH yellow

Duplex cables round 2.1 mm

LSFH™ jacket with tight tube 0.6 mm for LC uniboot



Item no.	Cable type	Description
t.b.d.	02-E9A2/V(ZN)H-E21#B	duplex round cable Ø 2.1 mm, 2 x 9/125 µm G.657.A2, tight tube 0.6 mm, LSFH yellow
t.b.d.	02-G50/V(ZN)H-L21-G#B	duplex round cable Ø 2.1 mm, 2 x 50/125 µm OM4, tight tube 0.6 mm, LSFH heather violet

Duplex cables round 2.1 mm acc. to DTAG specification

LSFH™ jacket with tight tube 0.6 mm for LC uniboot



Item no.	Cable type	Description
85153237	02-E9/V(ZN)H-E21#B	duplex cable figure 8 Ø 2.0 x 4.1 mm, 2 x 9/125 µm G.652.D/G.657.A1, tight tube 0.6 mm, LSFH yellow

Mini-duplex-round cable 1.6mm

LSFH™ jacket with coloured fiber for VSFF-connector



Item no.	Cable type	Description
85159194	02-E9A2/(ZN)H-E16#B	mini-duplex round cable Ø 1.6mm, 2 x 9/125µm G.657.A2, LSFH yellow
85159195	02-G50/(ZN)H-L16-G#B	mini-duplex round cable Ø 1.6mm, 2 x 50/125µm OM4, LSFH heather violet

FTTH microtube cable 2.3 mm acc. to DTAG specification

LSFH™ jacket up to 6 fibers



Item no.	Cable type	Description
85158960	01-1E9A2/MH(ZN)H-F23#B	FTTH microtube cable Ø 2.3 mm, 1 x 9/125 µm G.657.A2, microtube 1.25 mm, LSFH white
85158961	02-2E9A2/MH(ZN)H-F23#B	FTTH microtube cable Ø 2.3 mm, 2 x 9/125 µm G.657.A2, microtube 1.25 mm, LSFH white
85158958	04-4E9A2/MH(ZN)H-F23#B	FTTH microtube cable Ø 2.3 mm, 4 x 9/125 µm G.657.A2, microtube 1.25 mm, LSFH white
85158962	06-6E9A2S/MH(ZN)H-F23_ DIN#B	FTTH microtube cable Ø 2.3 mm, 6 x 9/125 µm G.657.A2, microtube 1.25 mm, LSFH white

FTTH microtube cable 2.8 mm acc. to DTAG specification

LSFH™ jacket up to 24 fibers



Item no.	Cable type	Description
85158990	12-12E9A2/MH(ZN)H-F28#B	FTTH microtube cable Ø 2.8 mm, 12 x 9/125 µm G.657.A2, microtube 1.75 mm, LSFH white
85158989	24-24E9A2S/MH(ZN)H-F28#B	FTTH microtube cable Ø 2.8 mm, 12 x 9/125 µm G.657.A2, microtube 1.75 mm, LSFH white

Fiberoptic cable CPR B2_{ca}-s1,d0,a1

Optipack DJ 12 - 4.0mm

Multi-fiber patch cable

LSFH jacket with 12 fibers for MTP®/MPO



Item no.	Cable type	Description
85137705	12-E9A2/(ZN)HH-E20#B	Optipack double jacket Ø 2.0 / 4.0mm, 12 x 9/125µm G.657A2, LSFH yellow
85137707	12-G50/(ZN)HH-M20-F#B	Optipack double jacket Ø 2.0 / 4.0mm, 12 x 50/125µm OM3, LSFH turquoise
85120659	12-G50/(ZN)HH-L20-G#B	Optipack double jacket Ø 2.0 / 4.0mm, 12 x 50/125µm OM4, LSFH heather violet

Optipack DJ 24 - 4.9mm

Multi-fiber patch cable

LSFH jacket with 24 fibers for MTP®/MPO

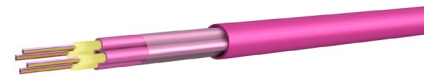


Item no.	Cable type	Description
85102544	24-E9A2/(ZN)HH-E30#B	Optipack double jacket Ø 3.0 / 4.9mm, 24 x 9/125µm G.657A2, LSFH yellow
85137704	24-G50/(ZN)HH-M30-F#B	Optipack double jacket Ø 3.0 / 4.9mm, 24 x 50/125µm OM3, LSFH turquoise
85103329	24-G50/(ZN)HH-L30-G#B	Optipack double jacket Ø 3.0 / 4.9mm, 24 x 50/125µm OM4, LSFH heather violet

Optipack 8 – breakout – 2.0 mm up to 96 fibers

Multifiber breakout cable

LSFH™ jacket with 8 fibers for MTP®/MPO



Item no.	Cable type	Description
85092255	24-8E9A2/(ZN)SNH-E20_TIA#B	Optipack breakout cable 2.0 mm / Ø 6.6 mm, 24 x 9/125µm G.657A2, LSFH yellow, TIA fiber colour code
85095525	24-8G50/(ZN)SNH-L20-G_TIA#B	Optipack breakout cable 2.0 mm / Ø 6.6 mm, 24 x 50/125µm OM4, LSFH heather violet, TIA fiber colour code
85096626	48-8E9A2/(ZN)SNH-E20_TIA#B	Optipack breakout cable 2.0 mm / Ø 7.6 mm, 48 x 9/125µm G.657A2, LSFH yellow, TIA fiber colour code
85080353	48-8G50/(ZN)SNH-M20-F_TIA#B	Optipack breakout cable 2.0 mm / Ø 7.6 mm, 48 x 50/125µm OM3, LSFH turquoise, TIA fiber colour code
85096624	48-8G50/(ZN)SNH-L20-G_TIA#B	Optipack breakout cable 2.0 mm / Ø 7.6 mm, 48 x 50/125µm OM4, LSFH heather violet, TIA fiber colour code
85095524	96-8E9A2/(ZN)SNH-E20_TIA#B	Optipack breakout cable 2.0 mm / Ø 10.8 mm, 96 x 9/125µm G.657A2, LSFH yellow, TIA fiber colour code
85095516	96-8G50/(ZN)SNH-L20-G_TIA#B	Optipack breakout cable 2.0 mm / Ø 10.8 mm, 96 x 50/125µm OM4, LSFH heather violet, TIA fiber colour code

Optipack 12 – breakout – 2.0 mm up to 144 fibers

Multifiber breakout cable

LSFH™ jacket with 12 fibers for MTP®/MPO



Item no.	Cable type	Description
85092254	24-12E9A2/(ZN)SNH-E20#B	Optipack breakout cable 2.0 mm / Ø 6.6 mm, 24 x 9/125 µm G.657.A2, LSFH yellow
85089314	48-12E9A2/(ZN)SNH-E20#B	Optipack breakout cable 2.0 mm / Ø 6.6 mm, 48 x 9/125 µm G.657.A2, LSFH yellow
85093505	48-12G50/(ZN)SNH-M20-F#B	Optipack breakout cable 2.0 mm / Ø 6.6 mm, 48 x 50/125 µm OM3, LSFH turquoise
85092256	48-12G50/(ZN)SNH-L20-G#B	Optipack breakout cable 2.0 mm / Ø 6.6 mm, 48 x 50/125 µm OM4, LSFH heather violet
85092006	72-12E9A2/(ZN)SNH-E20#B	Optipack breakout cable 2.0 mm / Ø 7.6 mm, 72 x 9/125 µm G.657.A2, LSFH yellow
t.b.d.	72-12G50/(ZN)SNH-M20-F#B	Optipack breakout cable 2.0 mm / Ø 7.6 mm, 72 x 50/125 µm OM3, LSFH turquoise
85111308	72-12G50/(ZN)SNH-L20-G#B	Optipack breakout cable 2.0 mm / Ø 7.6 mm, 72 x 50/125 µm OM4, LSFH heather violet
85092007	96-12E9A2/(ZN)SNH-E20#B	Optipack breakout cable 2.0 mm / Ø 9.2 mm, 96 x 9/125 µm G.657.A2, LSFH yellow
85112192	96-12G50/(ZN)SNH-L20-G#B	Optipack breakout cable 2.0 mm / Ø 9.2 mm, 96 x 9/125 µm OM4, LSFH heather violet
85089316	144-12E9A2/(ZN)SNH-E20#B	Optipack breakout cable 2.0 mm / Ø 10.3 mm, 144 x 9/125 µm G.657.A2, LSFH yellow
85096572	144-12G50/(ZN)SNH-M20-F#B	Optipack breakout cable 2.0 mm / Ø 10.3 mm, 144 x 50/125 µm OM3, LSFH turquoise
85092017	144-12G50/(ZN)SNH-L20-G#B	Optipack breakout cable 2.0 mm / Ø 10.3 mm, 144 x 50/125 µm OM4, LSFH heather violet

Optipack 24 – breakout – 3.0 mm up to 288 fibers

Multifiber breakout cable

LSFH™ jacket with 24 fibers for MTP®/MPO



Item no.	Cable type	Description
85089597	96-24E9A2/(ZN)SNH-E30#B	Optipack breakout cable 3.0 mm / Ø 9.3mm, 96 x 9/125 µm G.657.A2, LSFH yellow
85096647	96-24G50/(ZN)SNH-L30-G#B	Optipack breakout cable 3.0 mm / Ø 9.3mm, 96 x 50/125 µm OM4, LSFH heather violet
85092021	144-24E9A2/(ZN)SNH-E30#B	Optipack breakout cable 3.0 mm / Ø 11.0mm, 144 x 9/125 µm G.657.A2, LSFH yellow
t.b.d.	144-24G50/(ZN)SNH-L30-G#B	Optipack breakout cable 3.0 mm / Ø 11.0mm, 144 x 50/125 µm OM4, LSFH heather violet
85089610	288-24E9A2/(ZN)SNH-E30#B	Optipack Breakout -Kabel 3.0 mm / Ø 14.0 mm, 288 x 9/125 µm G.657.A2, LSFH yellow
85096653	288-24G50/(ZN)SNH-M30-F#B	Optipack breakout cable 3.0mm / Ø 14.0 mm, 288 x 50/125 µm OM3, LSFH turquoise
85096655	288-24G50/(ZN)SNH-L30-G#B	Optipack breakout cable 3.0mm / Ø 14.0 mm, 288 x 50/125 µm OM4, LSFH heather violet

Jelly-free – dry block glass-armoured multifiber loose tube cables - up to 24 fibers

with LSFH™ jacket 12.0 mm



Item no.	Cable type	Description
85078322	12-12E9/Q(ZNG)H-E120#B	Jelly-free glass-armoured loose tube cable Ø 12.0 mm, 12 x 9/125 µm G.652.D, loose tube 2.8 mm, LSFH yellow
85091344	12-12G50/Q(ZNG)H-M120-F#B	Jelly-free glass-armoured loose tube cable Ø 12.0 mm, 12 x 50/125 µm OM3, loose tube 2.8 mm, LSFH turquoise
85091346	12-12G50/Q(ZNG)H-L120-G#B	Jelly-free glass-armoured loose tube cable Ø 12.0 mm, 12 x 50/125 µm OM4, loose tube 2.8 mm, LSFH heather violet
85091343	24-24E9/Q(ZNG)H-E120#B	Jelly-free glass-armoured loose tube cable Ø 12.0 mm, 24 x 9/125 µm G.652.D, loose tube 2.8 mm, LSFH yellow
85091345	24-24G50/Q(ZNG)H-M120-F#B	Jelly-free glass-armoured loose tube cable Ø 12.0 mm, 24 x 50/125 µm OM3, loose tube 2.8 mm, LSFH turquoise
85091347	24-24G50/Q(ZNG)H-L120-G#B	Jelly-free glass-armoured loose tube cable Ø 12.0 mm, 24 x 50/125 µm OM4, loose tube 2.8 mm, LSFH heather violet

[Go to external document/link](#)



Patch cords with CPR B2_{ca}-s1,d0,a1 cables

Simplex Patch cords with 1.9 mm cable in combination with



Simplex cables

LSFH™ jacket with semi-tight tube and tight tube

Item no.	Cable type	Description
t.b.d	01-E9/VJH-E19#B	Simplex cable Ø 1.9mm, 1 x 9/125 µm G.652.D/G.657.A1, tight tube 0.6 mm, LSFH yellow
t.b.d	01-E9A2/VJH-E19#B	Simplex cable Ø 1.9mm, 1 x 9/125 µm G.657.A2, tight tube 0.6 mm, LSFH yellow
t.b.d	01-G50/VJH-L19#B	Simplex cable Ø 1.9mm, 1 x 50/125 µm OM4, tight tube 0.6 mm, LSFH heather violet

LCUG LC SM UPC



SCUS SC SM UPC



LCAG LC SM APC



SCAS SC SM APC



LCMG LC multimode



SCMS SC multimode



LCUS LC SM UPC



LHUS LSH (E2000) UPC



LCAS LC SM APC



LHAS LSH (E2000) APC



LCMS LC multimode



Duplex Patch cords with 2.0 mm fig.8 cable in combination with

Duplex cable figure 8 - 2.0 mm

LSFH™ jacket with tight tube



Item no.	Cable type	description
t.b.d.	02-E9/VJH-E20#B	duplex cable figure 8 Ø 2.0 x 4.1 mm, 2 x 9/125 µm G.652.D/G.657.A1, tight tube 0.6 mm, LSFH yellow
t.b.d.	02-E9A2/VJH-E20#B	duplex cable figure 8 Ø 2.0 x 4.1 mm, 2 x 9/125 µm G.657.A2, tight tube 0.6 mm, LSFH yellow
t.b.d.	02-G50/VJH-L20#D	duplex cable figure 8 Ø 2.0 x 4.1 mm, 2 x 50/125 µm OM4, tight tube 0.6 mm, LSFH heather violet

LCUD LC SM UPC



LCUP LC push-pull SM UPC



LCAD LC SM APC



LCAP LC push-pull SM APC



LCMD LC multimode



LCMP LC push-pull multimode



SCUS SC SM UPC



SCAS SC SM APC



SCMS SC multimode



FCUS FC SM UPC



LHUS LSH (E-2000) UPC



LHAS LSH (E-2000) APC



Duplex Patch cords with 2.1 mm round cable in combination with

Duplex cables round 2.1 mm

LSFH™ jacket with tight tube 0.6 mm for LC uniboot



Item no.	Cable type	Description
t.b.d	02-E9A2/V(ZN)H-E21#B	duplex round cable Ø 2.1 mm, 2 x 9/125 µm G.657.A2, tight tube 0.6 mm, LSFH yellow
t.b.d	02-G50/V(ZN)H-M21-F#B	duplex round cable Ø 2.1 mm, 2 x 50/125 µm OM3, tight tube 0.6 mm, LSFH turquoise
t.b.d	02-G50/V(ZN)H-L21-G#B	duplex round cable Ø 2.1 mm, 2 x 50/125 µm OM4, tight tube 0.6 mm, LSFH heather violet

LCUX LC-XD SM UPC



SCUS SC SM UPC



LCAX LC-XD SM APC



SCAS SC SM APC



LCMX LC-XD multimode



SCMS SC multimode



LHAS LSH (E-2000) APC



Patch cords with CPR B2_{ca-s1,d0,a1} cables

Duplex Patch cords with 1.6mm round cable in combination with

Mini-duplex-round cable 1.6mm

LSFH™ jacket with coloured fiber for VSFF-connector



Item no.	Cable type	Description
85159194	02-E9A2/(ZN)H-E16#B	mini-duplex round cable Ø 1.6mm, 2 x 9/125µm G.657.A2, LSFH yellow
85159195	02-G50/(ZN)H-L16-G#B	mini-duplex round cable Ø 1.6mm, 2 x 50/125µm OM4, LSFH heather violet

LCUX LC-XD SM UPC



MDMX MDC multimode



LCAX LC-XD SM APC



SNUX SN SM UPC



LCMX LC-XD multimode



SNAX SN SM APC



MDUX MDC SM UPC



SNMX SN multimode



MDAX MDC SM APC



Optipack DJ (double jacket) multiber Patch cords with 4.0mm / 4.9mm with

Optipack DJ 12 - 4.0mm

Multi-fiber patch cable

LSFH jacket with 12 fibers for MTP®/MPO



Item no.	Cable type	Description
85137705	12-E9A2/(ZN)HH-E20#B	Optipack double jacket Ø 2.0 / 4.0mm, 12 x 9/125µm G.657.A2, LSFH yellow
85137707	12-G50/(ZN)HH-M20-F#B	Optipack double jacket Ø 2.0 / 4.0mm, 12 x 50/125µm OM3, LSFH turquoise
85120659	12-G50/(ZN)HH-L20-G#B	Optipack double jacket Ø 2.0 / 4.0mm, 12 x 50/125µm OM4, LSFH heather violet

Optipack DJ 24 - 4.9mm

Multi-fiber patch cable

LSFH jacket with 24 fibers for MTP®/MPO



Item no.	Cable type	Description
85102544	24-E9A2/(ZN)HH-E30#B	Optipack double jacket Ø 3.0 / 4.9mm, 24 x 9/125µm G.657.A2, LSFH yellow
85137704	24-G50/(ZN)HH-M30-F#B	Optipack double jacket Ø 3.0 / 4.9mm, 24 x 50/125µm OM3, LSFH turquoise
85103329	24-G50/(ZN)HH-L30-G#B	Optipack double jacket Ø 3.0 / 4.9mm, 24 x 50/125µm OM4, LSFH heather violet
85114654	24-E9A2/(ZN)HH-E30#C	Optipack double jacket Ø 3.0 / 4.9mm, 24 x 9/125µm G.657.A2, LSFH yellow
85114655	24-G50/(ZN)HH-L30-G#C	Optipack double jacket Ø 3.0 / 4.9mm, 24 x 50/125µm OM4, LSFH heather violet

MTAF MTP APC, SM, female



MPAF MTP Pro APC, SM, female



MTAM MTP APC, SM, male



MPAM MTP Pro APC, SM, male



MTMF MTP MM, female



MPMF MTP Pro MM, female



MTMM MTP MM, male



MPMM MTP Pro MM, male



Cable system with CPR B2_{ca}-s1,d0,a1 cables

Optipack Harness with DJ (Double Jacket)

Optipack DJ 12 - 4.0mm

Multi-fiber patch cable

LSFH jacket with 12 fibers for MTP®/MPO



Item no.	Cable type	Description
85137705	12-E9A2/(ZN)HH-E20#B	Optipack double jacket Ø 2.0 / 4.0mm, 12 x 9/125µm G.657A2, LSFH yellow
85137707	12-G50/(ZN)HH-M20-F#B	Optipack double jacket Ø 2.0 / 4.0mm, 12 x 50/125µm OM3, LSFH turquoise
85120659	12-G50/(ZN)HH-L20-G#B	Optipack double jacket Ø 2.0 / 4.0mm, 12 x 50/125µm OM4, LSFH heather violet

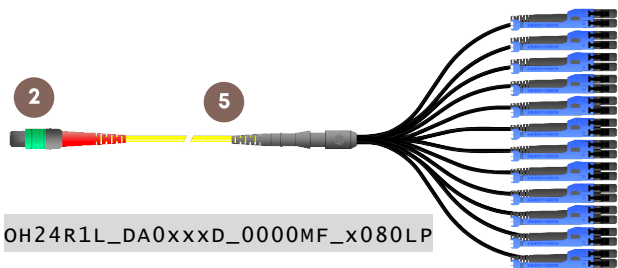
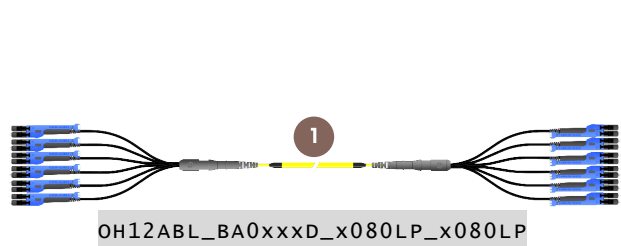
Optipack DJ 24 - 4.9mm

Multi-fiber patch cable

LSFH jacket with 24 fibers for MTP®/MPO



Item no.	Cable type	Description
85102544	24-E9A2/(ZN)HH-E30#B	Optipack double jacket Ø 3.0 / 4.9mm, 24 x 9/125µm G.657A2, LSFH yellow
85137704	24-G50/(ZN)HH-M30-F#B	Optipack double jacket Ø 3.0 / 4.9mm, 24 x 50/125µm OM3, LSFH turquoise
85103329	24-G50/(ZN)HH-L30-G#B	Optipack double jacket Ø 3.0 / 4.9mm, 24 x 50/125µm OM4, LSFH heather violet



MF	MTP female	
MM	MTP male	
PF	MTP Pro female	
MF	MTP Pro male	

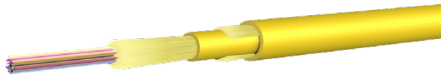
LP	LC-XD PC/UPC	
LA	LC-XD APC	
KP	LC push-pull PC/UPC	
KA	LC push-pull APC	
SP	SC PC/UPC	
SA	SC APC	
EP	E-2000 UPC	
EA	E-2000 APC	
FP	FC PC	

Cable system with CPR B2_{ca}-s1,d0,a1 cables

Optipack Pre-term with DJ (Double jacket)

Optipack DJ 12 - 4.0mm

Multi-fiber patch cable
LSFH jacket with 12 fibers for MTP®/MPO



Item no.	Cable type	Description
85137705	12-E9A2/(ZN)HH-E20#B	Optipack double jacket Ø 2.0 / 4.0mm, 12 x 9/125µm G.657A2, LSFH yellow
85137707	12-G50/(ZN)HH-M20-F#B	Optipack double jacket Ø 2.0 / 4.0mm, 12 x 50/125µm OM3, LSFH turquoise
85120659	12-G50/(ZN)HH-L20-G#B	Optipack double jacket Ø 2.0 / 4.0mm, 12 x 50/125µm OM4, LSFH heather violet

Optipack DJ 24 - 4.9mm

Multi-fiber patch cable
LSFH jacket with 24 fibers for MTP®/MPO



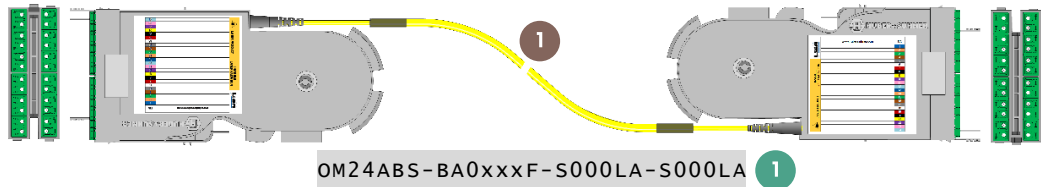
Item no.	Cable type	Description
85102544	24-E9A2/(ZN)HH-E30#B	Optipack double jacket Ø 3.0 / 4.9mm, 24 x 9/125µm G.657A2, LSFH yellow
85137704	24-G50/(ZN)HH-M30-F#B	Optipack double jacket Ø 3.0 / 4.9mm, 24 x 50/125µm OM3, LSFH turquoise
85103329	24-G50/(ZN)HH-L30-G#B	Optipack double jacket Ø 3.0 / 4.9mm, 24 x 50/125µm OM4, LSFH heather violet

Pre terminated Optipack module to module

2

B

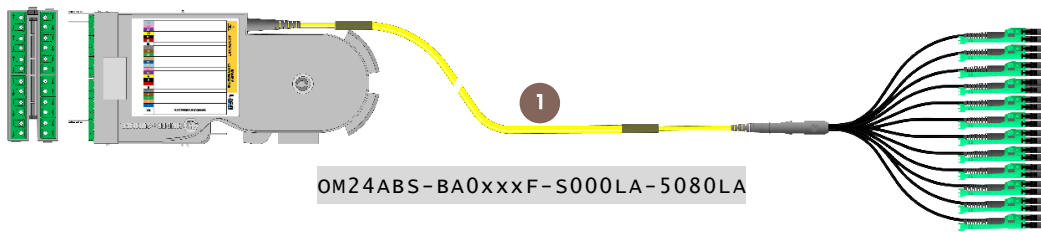
LC duplex connectivity



Pre terminated Optipack module to LC-XD fanout

2

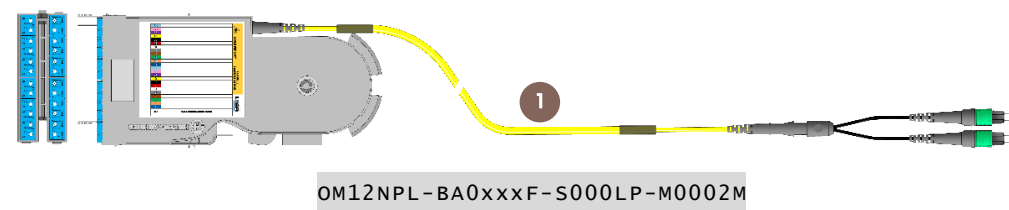
B



Pre terminated Optipack module to MTP

12

B



LP	LC-XD PC/UPC			MF	MTP female		
LA	LC-XD APC			MM	MTP male		
SP	SC PC/UPC			PF	MTP Pro female		
SA	SC APC						

Optipack Trunk breakout cable Base 8, Base 12 & 24

Optipack 8 – breakout – 2.0 mm up to 96 fibers

Multifiber breakout cable

LSFH™ jacket with 8 fibers for MTP®/MPO



Item no.	Cable type	Description
85092255	24-8E9A2/(ZN)SNH-E20_TIA#B	Optipack breakout cable 2.0 mm / Ø 6.6 mm, 24 x 9/125µm G.657.A2, LSFH yellow, TIA fiber colour code
85095525	24-8G50/(ZN)SNH-L20-G_TIA#B	Optipack breakout cable 2.0 mm / Ø 6.6 mm, 24 x 50/125µm OM4, LSFH heather violet, TIA fiber colour code
85096626	48-8E9A2/(ZN)SNH-E20_TIA#B	Optipack breakout cable 2.0 mm / Ø 7.6 mm, 48 x 9/125µm G.657.A2, LSFH yellow, TIA fiber colour code
85080353	48-8G50/(ZN)SNH-M20-F_TIA#B	Optipack breakout cable 2.0 mm / Ø 7.6 mm, 48 x 50/125µm OM3, LSFH turquoise, TIA fiber colour code
85096624	48-8G50/(ZN)SNH-L20-G_TIA#B	Optipack breakout cable 2.0 mm / Ø 7.6 mm, 48 x 50/125µm OM4, LSFH heather violet, TIA fiber colour code
85095524	96-8E9A2/(ZN)SNH-E20_TIA#B	Optipack breakout cable 2.0 mm / Ø 10.8 mm, 96 x 9/125µm G.657.A2, LSFH yellow, TIA fiber colour code
85095516	96-8G50/(ZN)SNH-L20-G_TIA#B	Optipack breakout cable 2.0 mm / Ø 10.8 mm, 96 x 50/125µm OM4, LSFH heather violet, TIA fiber colour code

Optipack 12 – breakout – 2.0 mm up to 144 fibers

Multifiber breakout cable

LSFH™ jacket with 12 fibers for MTP®/MPO



Item no.	Cable type	Description
85092254	24-12E9A2/(ZN)SNH-E20#B	Optipack breakout cable 2.0 mm / Ø 6.6 mm, 24 x 9/125 µm G.657.A2, LSFH yellow
85089314	48-12E9A2/(ZN)SNH-E20#B	Optipack breakout cable 2.0 mm / Ø 6.6 mm, 48 x 9/125 µm G.657.A2, LSFH yellow
85093505	48-12G50/(ZN)SNH-M20-F#B	Optipack breakout cable 2.0 mm / Ø 6.6 mm, 48 x 50/125 µm OM3, LSFH turquoise
85092256	48-12G50/(ZN)SNH-L20-G#B	Optipack breakout cable 2.0 mm / Ø 6.6 mm, 48 x 50/125 µm OM4, LSFH heather violet
85092006	72-12E9A2/(ZN)SNH-E20#B	Optipack breakout cable 2.0 mm / Ø 7.6 mm, 72 x 9/125 µm G.657.A2, LSFH yellow
t.b.d.	72-12G50/(ZN)SNH-M20-F#B	Optipack breakout cable 2.0 mm / Ø 7.6 mm, 72 x 50/125 µm OM3, LSFH turquoise
85111308	72-12G50/(ZN)SNH-L20-G#B	Optipack breakout cable 2.0 mm / Ø 7.6 mm, 72 x 50/125 µm OM4, LSFH heather violet
85092007	96-12E9A2/(ZN)SNH-E20#B	Optipack breakout cable 2.0 mm / Ø 9.2 mm, 96 x 9/125 µm G.657.A2, LSFH yellow
85112192	96-12G50/(ZN)SNH-L20-G#B	Optipack breakout cable 2.0 mm / Ø 9.2 mm, 96 x 9/125 µm OM4, LSFH heather violet
85089316	144-12E9A2/(ZN)SNH-E20#B	Optipack breakout cable 2.0 mm / Ø 10.3 mm, 144 x 9/125 µm G.657.A2, LSFH yellow
85096572	144-12G50/(ZN)SNH-M20-F#B	Optipack breakout cable 2.0 mm / Ø 10.3 mm, 144 x 50/125 µm OM3, LSFH turquoise
85092017	144-12G50/(ZN)SNH-L20-G#B	Optipack breakout cable 2.0 mm / Ø 10.3 mm, 144 x 50/125 µm OM4, LSFH heather violet

Optipack Trunk breakout cable Base 8, Base 12 & 24

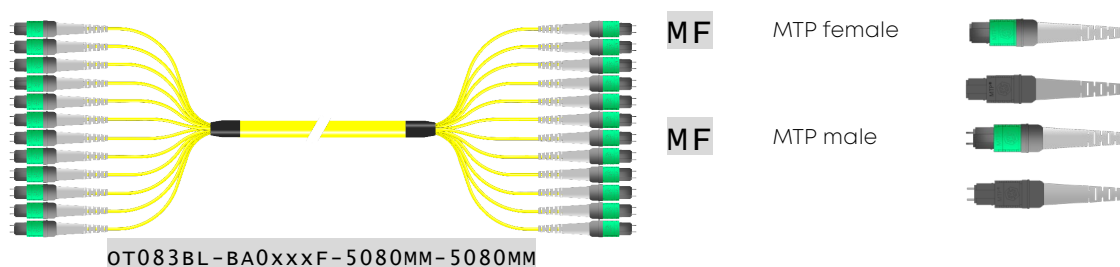
Optipack 24 – breakout – 3.0 mm up to 288 fibers

Multifiber breakout cable

LSFH™ jacket with 24 fibers for MTP®/MPO



Item no.	Cable type	Description
85089597	96-24E9A2/(ZN)SNH-E30#B	Optipack breakout cable 3.0 mm / Ø 9.3mm, 96 x 9/125 µm G.657.A2, LSFH yellow
85096647	96-24G50/(ZN)SNH-L30-G#B	Optipack breakout cable 3.0 mm / Ø 9.3mm, 96 x 50/125 µm OM4, LSFH heather violet
85092021	144-24E9A2/(ZN)SNH-E30#B	Optipack breakout cable 3.0 mm / Ø 11.0mm, 144 x 9/125 µm G.657.A2, LSFH yellow
t.b.d.	144-24G50/(ZN)SNH-L30-G#B	Optipack breakout cable 3.0 mm / Ø 11.0mm, 144 x 50/125 µm OM4, LSFH heather violet
85089610	288-24E9A2/(ZN)SNH-E30#B	Optipack Breakout -Kabel 3.0 mm / Ø 14.0 mm, 288 x 9/125 µm G.657.A2, LSFH yellow
85096653	288-24G50/(ZN)SNH-M30-F#B	Optipack breakout cable 3.0mm / Ø 14.0 mm, 288 x 50/125 µm OM3, LSFH turquoise
85096655	288-24G50/(ZN)SNH-L30-G#B	Optipack breakout cable 3.0mm / Ø 14.0 mm, 288 x 50/125 µm OM4, LSFH heather violet



Optipack Medusa breakout cable Base 8, Base 12 & 24

Optipack 8 – breakout – 2.0 mm up to 96 fibers

Multifiber breakout cable

LSFH™ jacket with 8 fibers for MTP®/MPO



Item no.	Cable type	Description
85092255	24-8E9A2/(ZN)SNH-E20_TIA#B	Optipack breakout cable 2.0 mm / Ø 6.6 mm, 24 x 9/125µm G.657.A2, LSFH yellow, TIA fiber colour code
85095525	24-8G50/(ZN)SNH-L20-G_TIA#B	Optipack breakout cable 2.0 mm / Ø 6.6 mm, 24 x 50/125µm OM4, LSFH heather violet, TIA fiber colour code
85096626	48-8E9A2/(ZN)SNH-E20_TIA#B	Optipack breakout cable 2.0 mm / Ø 7.6 mm, 48 x 9/125µm G.657.A2, LSFH yellow, TIA fiber colour code
85080353	48-8G50/(ZN)SNH-M20-F_TIA#B	Optipack breakout cable 2.0 mm / Ø 7.6 mm, 48 x 50/125µm OM3, LSFH turquoise, TIA fiber colour code
85096624	48-8G50/(ZN)SNH-L20-G_TIA#B	Optipack breakout cable 2.0 mm / Ø 7.6 mm, 48 x 50/125µm OM4, LSFH heather violet, TIA fiber colour code
85095524	96-8E9A2/(ZN)SNH-E20_TIA#B	Optipack breakout cable 2.0 mm / Ø 10.8 mm, 96 x 9/125µm G.657.A2, LSFH yellow, TIA fiber colour code
85095516	96-8G50/(ZN)SNH-L20-G_TIA#B	Optipack breakout cable 2.0 mm / Ø 10.8 mm, 96 x 50/125µm OM4, LSFH heather violet, TIA fiber colour code

Optipack 12 – breakout – 2.0 mm up to 144 fibers

Multifiber breakout cable

LSFH™ jacket with 12 fibers for MTP®/MPO



Item no.	Cable type	Description
85092254	24-12E9A2/(ZN)SNH-E20#B	Optipack breakout cable 2.0 mm / Ø 6.6 mm, 24 x 9/125 µm G.657.A2, LSFH yellow
85089314	48-12E9A2/(ZN)SNH-E20#B	Optipack breakout cable 2.0 mm / Ø 6.6 mm, 48 x 9/125 µm G.657.A2, LSFH yellow
85093505	48-12G50/(ZN)SNH-M20-F#B	Optipack breakout cable 2.0 mm / Ø 6.6 mm, 48 x 50/125 µm OM3, LSFH turquoise
85092256	48-12G50/(ZN)SNH-L20-G#B	Optipack breakout cable 2.0 mm / Ø 6.6 mm, 48 x 50/125 µm OM4, LSFH heather violet
85092006	72-12E9A2/(ZN)SNH-E20#B	Optipack breakout cable 2.0 mm / Ø 7.6 mm, 72 x 9/125 µm G.657.A2, LSFH yellow
t.b.d.	72-12G50/(ZN)SNH-M20-F#B	Optipack breakout cable 2.0 mm / Ø 7.6 mm, 72 x 50/125 µm OM3, LSFH turquoise
85111308	72-12G50/(ZN)SNH-L20-G#B	Optipack breakout cable 2.0 mm / Ø 7.6 mm, 72 x 50/125 µm OM4, LSFH heather violet
85092007	96-12E9A2/(ZN)SNH-E20#B	Optipack breakout cable 2.0 mm / Ø 9.2 mm, 96 x 9/125 µm G.657.A2, LSFH yellow
85112192	96-12G50/(ZN)SNH-L20-G#B	Optipack breakout cable 2.0 mm / Ø 9.2 mm, 96 x 9/125 µm OM4, LSFH heather violet
85089316	144-12E9A2/(ZN)SNH-E20#B	Optipack breakout cable 2.0 mm / Ø 10.3 mm, 144 x 9/125 µm G.657.A2, LSFH yellow
85096572	144-12G50/(ZN)SNH-M20-F#B	Optipack breakout cable 2.0 mm / Ø 10.3 mm, 144 x 50/125 µm OM3, LSFH turquoise
85092017	144-12G50/(ZN)SNH-L20-G#B	Optipack breakout cable 2.0 mm / Ø 10.3 mm, 144 x 50/125 µm OM4, LSFH heather violet

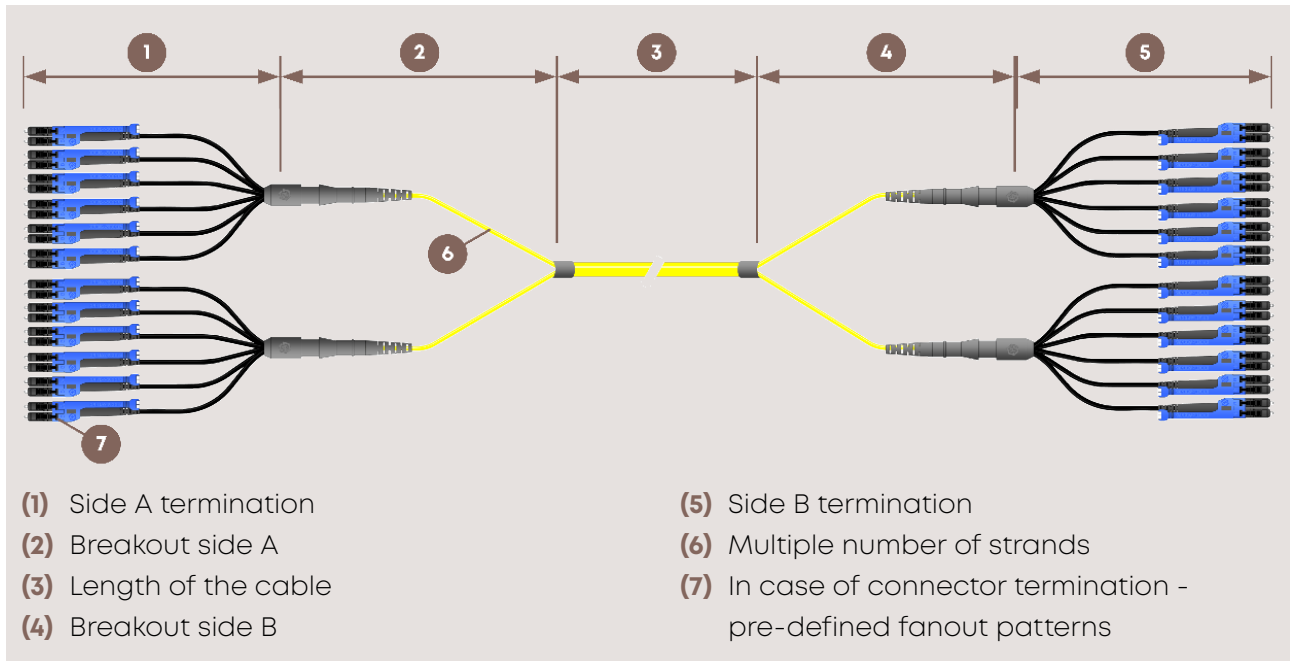
Optipack 24 – breakout – 3.0 mm up to 288 fibers

Multifiber breakout cable

LSFH™ jacket with 24 fibers for MTP®/MPO



Item no.	Cable type	Description
85089597	96-24E9A2/(ZN)SNH-E30#B	Optipack breakout cable 3.0 mm / Ø 9.3mm, 96 x 9/125 µm G.657.A2, LSFH yellow
85096647	96-24G50/(ZN)SNH-L30-G#B	Optipack breakout cable 3.0 mm / Ø 9.3mm, 96 x 50/125 µm OM4, LSFH heather violet
85092021	144-24E9A2/(ZN)SNH-E30#B	Optipack breakout cable 3.0 mm / Ø 11.0mm, 144 x 9/125 µm G.657.A2, LSFH yellow
t.b.d.	144-24G50/(ZN)SNH-L30-G#B	Optipack breakout cable 3.0 mm / Ø 11.0mm, 144 x 50/125 µm OM4, LSFH heather violet
85089610	288-24E9A2/(ZN)SNH-E30#B	Optipack Breakout -Kabel 3.0 mm / Ø 14.0 mm, 288 x 9/125 µm G.657.A2, LSFH yellow
85096653	288-24G50/(ZN)SNH-M30-F#B	Optipack breakout cable 3.0mm / Ø 14.0 mm, 288 x 50/125 µm OM3, LSFH turquoise
85096655	288-24G50/(ZN)SNH-L30-G#B	Optipack breakout cable 3.0mm / Ø 14.0 mm, 288 x 50/125 µm OM4, LSFH heather violet



MTP

MF MTP female 

MF MTP male 

Duplex connector

LP LC-XD PC/UPC 

LA LC-XD APC 

Simplex connector

SP SC PC/UPC 

SA SC APC 

KP LC push-pull PC/UPC 

KA LC push-pull APC 

EA E-2000 APC 

HUBER+SUHNER AG
Degersheimerstrasse 14
9100 Herisau
Switzerland
Phone +41 71 353 41 11
hubersuhner.com

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, IATF 16949 and IRIS.

Waiver

Fact and figures herein are for information only and do not represent any warranty of any kind.