DATA SHEET

Fiber Optic Cables
Simplex Semi Tight Tube LSFH Ø 2.4mm Dca
01-.../CWJH-...24#D

Properties

- Metal free indoor cable
- Each fiber strain relieved
- Tube can be stripped up to 1m in one piece
- Tight bending radii
- Halogen free and non-corrosive fire gases
- Low fire load for high safety requirements



Jacket colour

Construction		
Fiber	Quantity: up to	1
	Type	uncoloured
Tube	Quantity	1 pcs
	Tube options	Jelly-filled
	Diameter	0.9 mm
Strain relief	Type	aramide yarn
Outer jacket	Material	LSFH
	Diameter	2.4mm

Environmental data		
CPR class	Standard	EN 50575:2014+A1:2016
	Class	Dca-s1a,d0,a1
Temperature	Standard	IEC 60794-1-22 F12
	During installation	-10 °C ... 50 °C
	In service	-25 °C ... 70 °C
	In storage	-40 °C ... 70 °C
Flame propagation	Standard Condition	IEC 60332-1-2 On a vertical single cable
	Standard Condition	IEC 60332-3-25 On a vertical cable bundle
Fire characteristics	Standard Condition Characteristics	IEC 60754-1 Jacket material Halogen acid gas
	Standard Condition Characteristics	IEC 60754-2 Jacket material Degree of acidity
	Standard Condition Characteristics	IEC 61034-2 Cable Smoke density

HUBER+SUHNER

Fiber Optic Cables

Simplex Semi Tight Tube LSFH Ø 2.4mm Dca

01-.../CWJH-...24#D

Mechanical data		
Weight		approx. 5.3 g/m
Tensile strength	Standard	IEC 60794-1-2 E1
	During installation	400 N
	In service	200 N
Min. bending radius	Standard	IEC 60794-1-2 E11
	During installation	50 mm
	In service	25 mm
Repeated bending	Standard	IEC 60794-1-2 E6
	Radius	25 mm
	Weight	0.5 kg
	Cycles	1000
Crush resistance	Standard During installation In service	IEC 60794-1-2 E3 5000 N/dm 1000 N/dm
Impact resistance	Standard Energy Cycles	IEC 60794-1-2 E4 0.74 J 10

Colours	
Fiber	E9, G50: transparent
Tube	According to colour code
Standard outer jacket colours	Yellow
	Orange
	Turquoise
	Heather violet
	Lime-Green

Type of fiber	
Fiber type	**Fiber standard**
E9/125	according to IEC 60793-2-50 B-652.D + ITU-T G.652.D
G50/125-OM2	according to IEC 60793-2-10 A1-OM2b + ITU-T G.651.1

Fiber colour code

	1	2	3	4	5	6	7	8	9	10	11	12
H+S Standard	Red	Green	Yellow	Blue	White	Violet	Orange	Black	Grey	Brown	Heather violet	Turquoise
DIN	Red	Green	Blue	Yellow	White	Grey	Brown	Violet	Turquoise	Black	Orange	Heather violet
TIA	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Heather violet	Turquoise
IEC	Blue	Yellow	Red	White	Green	Violet	Orange	Grey	Turquoise	Black	Brown	Heather violet

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.
DOCUMENT PIM-P7410 / Date of publication: 13.05.2026 / uncontrolled copy