DATA SHEET

Fiber Optic Cables
Semi Tight Tube Ø 0.9mm OM3
01-G50/CH-...9 OM3

Properties

- Metal free indoor cable
- Tube can be stripped up to 2m in one piece
- Tight bending radii
- High flexibility
- Halogen free and non-corrosive fire gases



Jacket colour



Construction		
Fiber	Quantity: up to	1
	Type	coloured
Tube	Quantity	1 pcs
	Tube options	Jelly-free
	Diameter	0.9 mm
Outer jacket	Material	LSFH

Environmental data		
Temperature	Standard	IEC 60794-1-22 F12
	During installation	-10 °C ... 50 °C
	In service	-25 °C ... 75 °C
	In storage	-40 °C ... 75 °C
Fire characteristics	Standard Condition Characteristics	IEC 60754-1 Jacket material Halogen acid gas
	Standard Condition Characteristics	IEC 60754-2 Jacket material Degree of acidity
Shrinkage	Standard Temperature Value	IEC 60811-1-3 70 °C 0.9 %

Mechanical data		
Weight		approx. 0.8 g/m
Tensile strength	Standard	IEC 60794-1-2 E1
	During installation	20 N
	In service	10 N
Min. bending radius	Standard	IEC 60794-1-2 E11

Fiber Optic Cables

Semi Tight Tube Ø 0.9mm OM3

01-G50/CH-...9 OM3

Mechanical data		
	During installation	25 mm
	In service	25 mm
Crush resistance	Standard During installation In service	IEC 60794-1-2 E3 1000 N/dm 500 N/dm
Impact resistance	Standard Energy Cycles	IEC 60794-1-2 E4 0.74 J 3
Kink resistance	Standard Radius	IEC 60794-1-2 E10 5 mm
Torsion	Standard Cycles Length Angle	IEC 60794-1-2 E7 3 1000 mm 360 °

Colours	
Fiber	According to colour code
Tube	E9: YE, G50: OG, G62: BU, OM3: TQ, OM4: HV
Standard outer jacket colours	Red
	Green
	Yellow
	Blue
	White
	Violet
	Orange
	Black
	Grey
	Ochre Brown
	Heather violet
	Turquoise

Type of fiber	
Fiber type	**Fiber standard**
G50/125-OM3	according to IEC 60793-2-10 A1-OM3b

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-P7413 / Date of publication: 13.05.2026 / uncontrolled copy