

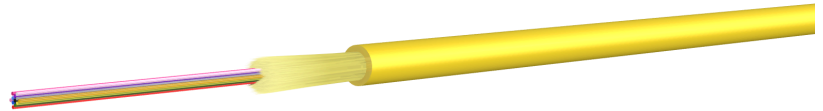
Fiber Optic Cables

Optipack Simplex Rugged LSFH Ø 3.0mm Dca

12-.../(ZN)H-...30#D - 1st Gen.

Properties

- Metal free indoor cable
- Strain relieved with aramide yarn
- Tube can be stripped up to 1m in one piece
- Tight bending radii
- Low smoke, halogen free and self-extinguishing
- Optimized outer-diameter construction



Jacket colour



Construction		
Fiber	Quantity: up to	12
	Type	uncoloured
Strain relief	Type	aramide yarn
Outer jacket	Material	LSFH
	Diameter	3mm

Environmental data		
CPR class	Standard	EN 50575:2014+A1:2016
	Class	Dca-s1a,d0,a1
Temperature	Standard	IEC 60794-1-22 F1
	During installation	-10 °C ... 50 °C
	In service	-10 °C ... 60 °C
	In storage	-20 °C ... 70 °C
Flame propagation	Standard Condition	IEC 60332-1-2 On a vertical single cable
Fire characteristics	Standard Condition Characteristics	IEC 61034-2 Cable Smoke density
	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 60754-2 Jacket material Degree of acidity

Mechanical data		
Weight		approx. 9.1 g/m
Tensile strength	Standard	IEC 60794-1-2 E1
	During installation	500 N

Fiber Optic Cables

Optipack Simplex Rugged LSFH Ø 3.0mm Dca

12-.../(ZN)H-...30#D - 1st Gen.

Mechanical data		
Min. bending radius	In service	200 N
	Standard	IEC 60794-1-2 E11
	During installation	20 mm
	In service	20 mm
Crush resistance	Standard	IEC 60794-1-2 E3
	During installation	5000 N/dm
	In service	1000 N/dm
Impact resistance	Standard	IEC 60794-1-2 E4
	Energy	1 J
	Cycles	50
Kink resistance	Standard	IEC 60794-1-2 E10
	Radius	5 mm

Colours	
Fiber	According to colour code
Standard outer jacket colours	Yellow
	Orange
	Turquoise
	Heather violet

Type of fiber	
Fiber type	Fiber standard
G50/125-OM3	according to IEC 60793-2-10 A1-OM3b
G50/125-OM4	according to IEC 60793-2-10 A1-OM4b

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-P7324 / Date of publication: 05.02.2025 / uncontrolled copy