

Fiber Optic Cables

Drag Chain 12x0.9mm Tight Tube Ø 13.0mm TPU

12-.../FSN(ZN)YZ-...130

Properties

- Metal free indoor and outdoor cable
- Strain relieved with aramide yarn
- High chemical resistance against acids/alkalies
- For high mechanical and thermal stability
- Halogen free and non-corrosive fire gases
- Improved crush resistance



Jacket colour



Construction		
Fiber	Quantity: up to	12
	Type	coloured
Strength member	Quantity	1 pcs
	Type	central
Tube	Quantity	12 pcs
	Diameter	0.9 mm
Strain relief	Type	aramide yarn
	Swellability	Swellable
Inner jacket	Quantity	1 pcs
	Type	Fiber bundle
	Diameter	9mm
Outer jacket	Material	TPU
	Diameter	13mm

Environmental data		
Temperature	Standard	IEC 60794-1-22 F1
	During installation	-10 °C ... 50 °C
	In service	-40 °C ... 85 °C
	In storage	-40 °C ... 85 °C

Mechanical data		
Weight		approx. 128 g/m
Tensile strength	Standard	IEC 60794-1-2 E1
	During installation	4000 N
	In service	2000 N

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Mechanical data		
Min. bending radius	Standard	IEC 60794-1-2 E11
	During installation	200 mm
	In service	100 mm
Repeated bending	Standard	IEC 60794-1-2 E6
	Radius	100 mm
	Weight	5 kg
	Cycles	5000
Crush resistance	Standard	IEC 60794-1-2 E3
	During installation	4000 N/dm
	In service	2000 N/dm
Flexing	Standard	IEC 60794-1-21 E8
	Radius	120 mm
	Weight	5 kg
	Velocity	0.5 m/s
	Cycles	100000

Colours	
Fiber	G50, G62: transparent
Tube	According to colour code
Standard outer jacket colours	Black

Type of fiber	
Fiber type	Fiber standard
G62,5/125-OM1	according to IEC 60793-2-10 A1-OM1
G50/125-OM2	according to IEC 60793-2-10 A1-OM2b + ITU-T G.651.1
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

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DOCUMENT PIM-P7312 / Date of publication: 01.12.2025 / uncontrolled copy