DATA SHEET

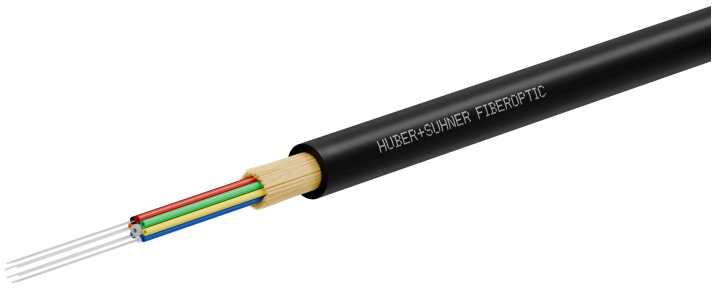
Fiber Optic Cables

Field Cable 2x0.9mm Tight Tube Ø 5.5mm TPU

02-.../FSN(ZN)Z-...55

Properties

- Metal free indoor and outdoor cable
- Strain relieved with aramide yarn
- Ripcord for easy jacked removal
- High chemical resistance against acids/alkalies
- For high mechanical and thermal stability
- Halogen free and non-corrosive fire gases
- Longitudinal and transversal watertight cable
- Improved crush resistance



Jacket colour

Construction		
Fiber	Quantity: up to	2
	Type	coloured
Strength member	Quantity	1 pcs
	Type	central
Tube	Quantity	2 pcs
	Diameter	0.9 mm
Strain relief	Type	aramide yarn
	Swellability	Swellable
Rip Cord	Quantity	1 pcs
Outer jacket	Material	TPU flame retardant
	Diameter	5.5mm

Environmental data		
Temperature	Standard	IEC 60794-1-2 F1
	During installation	-40 °C ... 85 °C
	In service	-40 °C ... 85 °C
	In storage	-60 °C ... 85 °C
Fire load per length		0.44 MJ/m

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Environmental data		
Water penetration	Standard Condition	IEC 60794-1-2 F5A h_1m, 24h, p<3m

Mechanical data		
Weight		approx. 25 g/m
Tensile strength	Standard	IEC 60794-1-2 E1
	During installation	2000 N
	In service	1000 N
Min. bending radius	Standard	IEC 60794-1-2 E11
	During installation	90 mm
	In service	60 mm
Repeated bending	Standard	IEC 60794-1-2 E6
	Radius	30 mm
	Weight	10 kg
	Cycles	20000
Crush resistance	Standard During installation In service	IEC 60794-1-2 E3 4000 N/dm 1000 N/dm
Impact resistance	Standard Energy Cycles	IEC 60794-1-2 E4 2.25 J 300
Torsion	Standard Cycles Length Angle	IEC 60794-1-2 E7 3 1000 mm 1440 °
Flexing	Standard Radius Weight Velocity Cycles	H+S drag chain test 55 mm 2.2 m/s 10000000

Colours	
Fiber	E9, G50 and G62: transparent
Tube	According to colour code
Standard outer jacket colours	Black

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

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Fiber colour code												
IEC	Blue	Yellow	Red	White	Green	Violet	Orange	Grey	Turquoise	Black	Brown	Heather violet

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