DATA SHEET

Fiber Optic Cables
Simplex 0.9mm Tight Tube TPU-FR Ø 2.7mm
01-.../FJU-..27

Properties

- Metal free indoor and outdoor cable
- Each fiber strain relieved
- Tube can be stripped minimal 50mm in one piece
- High chemical resistance against acids/alkalies
- For high mechanical and thermal stability
- Self extinguishing
- Improved crush resistance



Jacket colour

Construction		
Fiber	Quantity: up to	1
	Type	coloured
Tube	Quantity	1 pcs
	Diameter	0.9 mm
Strain relief	Type	aramide yarn
Outer jacket	Material	TPU flame retardant
	Diameter	2.7mm

Environmental data		
Temperature	Standard	IEC 60794-1-2 F1
	During installation	-10 °C ... 60 °C
	In service	-25 °C ... 80 °C
	In storage	-40 °C ... 80 °C
Flame propagation	Standard Condition	IEC 60332-1-2 On a vertical single cable

Mechanical data		
Weight		approx. 6 g/m
Tensile strength	Standard	IEC 60794-1-2 E1
	During installation	300 N
	In service	200 N
Min. bending radius	Standard	IEC 60794-1-2 E11
	During installation	50 mm
	In service	50 mm

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Mechanical data		
Repeated bending	Standard	IEC 60794-1-2 E6
	Radius	30 mm
	Weight	1 kg
	Cycles	20000
Crush resistance	Standard During installation In service	IEC 60794-1-2 E3 10000 N/dm 4000 N/dm
Impact resistance	Standard Energy Cycles	IEC 60794-1-2 E4 0.74 J 30

Colours	
Fiber	E9, G50 and G62: transparent
Tube	E9: YE, G50: OG, G62: BU, OM3: TQ, OM4: HV
Standard outer jacket colours	Yellow Orange Yellow-Green

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

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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