DATA SHEET

Fiber Optic Cables
TWINFIX 2 x 2.2mm LSFH Ø 7.5 x 7.2mm Dca
02-.../FJ(ZNG)H-...22#D

Properties

- Metal free indoor and outdoor cable
- Rodent-protected, glass-armoured
- Easy stripping
- UV-protected, suitable for outdoor use
- For high mechanical and thermal stability
- Low smoke, halogen free and self-extinguishing
- Improved crush resistance
- Longitudinal and transversal watertight cable



Jacket colour

Construction		
Fiber	Quantity: up to	2
Tube	Quantity	2 pcs
	Diameter	0.9 mm
Strain relief	Type	aramide yarn
Inner jacket	Quantity	2 pcs
	Type	Single fiber
	Diameter	2.2mm
Strain relief	Type	glass-roving
	Swellability	Swellable
Outer jacket	Material	LSFH
	Diameter	7.5mm x 7.2mm

Environmental data		
CPR class	Standard	EN 50575:2014+A1:2016
	Class	Dca-s1a,d0,a1
Temperature	Standard	IEC 60794-1-2 F1
	During installation	-10 °C ... 60 °C
	In service	-40 °C ... 70 °C
	In storage	-45 °C ... 70 °C
Flame propagation	Standard Condition	IEC 60332-3-24 On a vertical cable bundle

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Environmental data		
Fire resistance	Standard Time	IEC 60331-25 90 min
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
Water penetration	Standard Condition	IEC 60794-1-2 F5A h_1m, 24h, p<3m

Mechanical data		
Weight		approx. 61 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	40 mm
	In service	25 mm
Repeated bending	Standard	IEC 60794-1-2 E6
	Radius	60 mm
	Weight	1 kg
	Cycles	10000
Crush resistance	Standard During installation In service	IEC 60794-1-2 E3 6000 N/dm 2000 N/dm
Impact resistance	Standard Energy Cycles	IEC 60794-1-2 E4 2.2 J 200
Torsion	Standard Cycles Length Angle	IEC 60794-1-2 E7 10 1000 mm 360 °

Colours	
Fiber	According to colour code
Tube	Black and orange with arrow
Inner jacket	According to colour code
Standard outer jacket colours	Black
	Yellow

Type of fiber	
Fiber type	**Fiber standard**
E9/125A1	according to IEC 60793-2-50 B-657.A1 + ITU-T G.657.A1
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

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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

Additional Information

UL listed acc. OFN/OFNG - ordering code: up to 04-.../FJSN(ZNG)H-...22-UN (UL1685)

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