DATA SHEET

Fiber Optic Cables

FRONTLINE Microtube 1x1.25mm LSFH Ø 2.3mm Dca

04-.../MH(ZN)H-...23#D

Properties

- Metal free indoor cable
- Strain relieved with aramide yarn
- Tube can be stripped up to 2m in one piece
- No need for cleaning the fibers
- Tight bending radii
- Low smoke, halogen free and self-extinguishing
- Dry cable construction



Jacket colour

Construction		
Fiber	Quantity: up to	4
Tube	Quantity	1 pcs
	Tube options	Jelly-free
	Diameter	1.25 mm
Strain relief	Type	aramide yarn
Outer jacket	Material	LSFH
	Diameter	2.3mm

Environmental data		
CPR class	Standard	EN 50575:2014+A1:2016
	Class	Dca-s1a,d0,a1
Temperature	Standard	IEC 60794-1-22 F1
	During installation	-5 °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
	Standard Condition	IEC 60332-3-25 On a vertical cable bundle
Fire characteristics	Standard Condition Characteristics	IEC 61034-2 Cable Smoke density
	Standard Condition Characteristics	IEC 60754-1 Jacket material Halogen acid gas

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Environmental data		
	Standard Condition Characteristics	IEC 60754-2 Jacket material Degree of acidity

Mechanical data		
Weight		approx. 5.2 g/m
Tensile strength	Standard	IEC 60794-1-21 E1
	During installation	400 N
	In service	200 N
Min. bending radius	Standard	IEC 60794-1-21 E11
	During installation	10 mm
	In service	10 mm
Crush resistance	Standard During installation In service	IEC 60794-1-21 E3 1000 N/dm 500 N/dm
Impact resistance	Standard Energy Cycles	IEC 60794-1-21 E4 1 J 3
Kink resistance	Standard Radius	IEC 60794-1-21 E10 5 mm

Colours	
Fiber	According to colour code
Tube	Yellow or Red
Standard outer jacket colours	White
	Light Grey
	Yellow

Type of fiber	
Fiber type	**Fiber standard**
E9/125A2	according to IEC 60793-2-50 B-657.A2 + ITU-T G.657.A2
G50/125-OM4	according to IEC 60793-2-10 A1-OM4b
G50/125-OM5	according to IEC 60793-2-10 A1-OM5b

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

stripping size
Outer jacket: AWG 18 (1.00mm) - Tube jacket: AWG 26 (0.40mm)
Recommended Multi-Wire Stripper:
RIPLEY Cutter 821; 26-16 AWG (0.40 – 1.3mm); Part No: 80568

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.

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