DATA SHEET

Fiber Optic Cables

Duplex Fig. 8 2.7mm Semi Tight Tube LSFH 2.7 x 5.4mm Dca

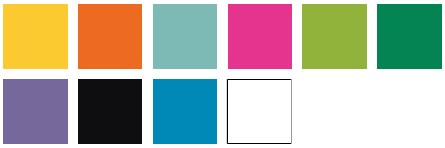
02-.../CWJH-...27#D

Properties

- Metal free indoor cable
- Each fiber strain relieved
- Tube can be stripped up to 1m in one piece
- Tight bending radii
- Halogen free and non-corrosive fire gases
- Low fire load for high safety requirements



Jacket colour



Construction		
Fiber	Quantity: up to	2
Tube	Quantity	2 pcs
	Tube options	Jelly-filled
	Diameter	0.9 mm
Strain relief	Type	aramide yarn
Outer jacket	Material	LSFH
	Diameter	2.7mm x 5.5mm

Environmental data		
CPR class	Standard	EN 50575:2014+A1:2016
	Class	Dca-s1a,d0,a1
Temperature	Standard	IEC 60794-1-22 F12
	During installation	-10 °C ... 50 °C
	In service	-10 °C ... 70 °C
	In storage	-25 °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 Cable Degree of acidity

Mechanical data		
Weight		approx. 14.3 g/m
Tensile strength	Standard	IEC 60794-1-2 E1
	During installation	800 N
	In service	400 N
Min. bending radius	Standard	IEC 60794-1-2 E11
	During installation	50 mm
	In service	25 mm
Repeated bending	Standard	IEC 60794-1-2 E6
	Radius	25 mm
	Weight	0.5 kg
	Cycles	10000
Crush resistance	Standard During installation In service	IEC 60794-1-2 E3 10000 N/dm 5000 N/dm
Impact resistance	Standard Energy Cycles	IEC 60794-1-2 E4 1 J 20

Colours	
Fiber	E9, G50 and G62: transparent
Tube	E9: YE, G50: OG, G62: BU, OM3: TQ, OM4: HV
Standard outer jacket colours	Yellow
	Orange
	Turquoise
	Heather violet
	Lime-Green
	Green
	Violet
	Black
	Light Blue
	White

Type of fiber	
Fiber type	**Fiber standard**
E9/125	according to IEC 60793-2-50 B-652.D + ITU-T G.652.D
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
E9/125A2	according to IEC 60793-2-50 B-657.A2 + ITU-T G.657.A2
G62,5/125-OM1	according to IEC 60793-2-10 A1-OM1
E9/125A3	according to IEC 60793-2-50 B-657.B3 + ITU-T G.657.B3

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

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Fiber colour code												
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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