

Fiber Optic Cables

TWINTUBE Glass-Armoured 2x2.8mm LSFH Ø 9.4mm Dca

24-.../W(ZNG)H-...94#D

Properties

- Metal free indoor and outdoor cable
- Rodent-protected, glass-armoured
- Ripcord for easy jacked removal
- Low smoke, halogen free and self-extinguishing
- Longitudinal and transversal watertight cable



Jacket colour

**Construction**

Fiber	Quantity: up to	48
Tube	Quantity	2 pcs
	Tube options	Jelly-filled
	Diameter	2.8 mm
Strain relief	Type	glass-roving
	Sweallability	Swellable
Rip Cord	Quantity	2 pcs
Outer jacket	Material	LSFH
	Diameter	8.8mm x 9.4mm

Environmental data

CPR class	Standard	EN 50575:2014+A1:2016
	Class	Dca-s2,d2,a1
Temperature	Standard	IEC 60794-1-22 F1
	During installation	-10 °C ... 50 °C
	In service	-20 °C ... 70 °C
	In storage	-40 °C ... 70 °C
Flame propagation	Standard Condition	IEC 60332-1-2 On a vertical single cable
Fire resistance	Standard Time	IEC 60331
Fire characteristics	Standard Condition Characteristics	IEC 60754-1 Jacket material Degree of acidity
	Standard Condition Characteristics	IEC 60754-2 Jacket material Halogen acid gas

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Environmental data		
Water penetration	Standard Condition	IEC 60794-1-2 F5B h ₁ m, 24h, p<3m

Mechanical data		
Weight		approx. 101 g/m
Tensile strength	Standard	IEC 60794-1-2 E1
	During installation	3000 N
	In service	1500 N
Min. bending radius	Standard	IEC 60794-1-2 E11
	During installation	150 mm
	In service	150 mm
Crush resistance	Standard	IEC 60794-1-2 E3
	During installation	8000 N/dm
	In service	4000 N/dm

Colours	
Fiber	According to colour code
Tube	1st tube red, 2nd green
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
IEC	Blue	Yellow	Red	White	Green	Violet	Orange	Grey	Turquoise	Black	Brown	Heather violet

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