DATA SHEET

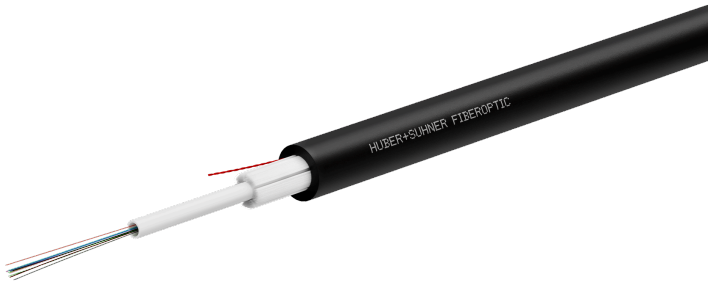
Fiber Optic Cables

Loose Tube Glass-Armoured 1x2.8mm LDPE Ø 8.5mm

24-.../W(ZNG)Y-...85

Properties

- Metal free outdoor cable
- Rodent-protected, glass-armoured
- High chemical resistance against acids/alkalies
- For high mechanical and thermal stability
- Halogen free and non-corrosive fire gases
- Longitudinal and transversal watertight cable



Jacket colour

Construction		
Fiber	Quantity: up to	24
Tube	Quantity	1 pcs
	Tube options	Jelly-filled
	Diameter	2.8 mm
Strain relief	Type	glass-roving
	Swellability	Swellable
Outer jacket	Material	LDPE
	Diameter	8.5mm

Environmental data		
Temperature	Standard	IEC 60794-1-22 F1
	During installation	-10 °C ... 50 °C
	In service	-40 °C ... 70 °C
	In storage	-40 °C ... 70 °C
Water penetration	Standard Condition	IEC 60794-1-2 F5B h_1m, 24h, p<3m

Mechanical data		
Weight		approx. 62 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	130 mm
	In service	80 mm
Repeated bending	Standard	IEC 60794-1-2 E6

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Mechanical data		
	Radius	80 mm
	Weight	2.5 kg
	Cycles	5000
Crush resistance	Standard During installation In service	IEC 60794-1-2 E3 10000 N/dm 3000 N/dm
Impact resistance	Standard Energy Cycles	IEC 60794-1-2 E4 4.41 J 30
Torsion	Standard Cycles Length Angle	IEC 60794-1-2 E7 30 1000 mm 1440 °

Colours	
Fiber	According to colour code
Tube	White or natural
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
G50/125-OM4	according to IEC 60793-2-10 A1-OM4b
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
G62,5/125-OM1	according to IEC 60793-2-10 A1-OM1
H200/230/500	according to IEC 60793-2-30 A3c

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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