DATA SHEET

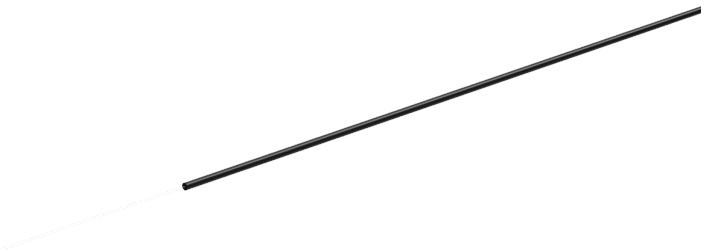
Fiber Optic Cables

HVDC-Simplex Ø 2mm, 1x200/230/500µm HCS H200, LSFH

01-.../VH-...20

Properties

- Metal free cable
- High flexibility and form stability
- UV-protected, suitable for outdoor use
- For high mechanical and thermal stability
- Low fire load for high safety requirements



Jacket colour

Construction		
Fiber	Quantity: up to	1
	Type	uncoloured
Outer jacket	Material	LSFH
	Diameter	2mm

Environmental data		
Temperature	Standard	IEC 61300-2-22
	During installation	-25 °C ... 75 °C
	In service	-45 °C ... 85 °C
	In storage	-55 °C ... 85 °C
Flame propagation	Standard Condition	IEC 60332-1-2 On a vertical single cable
Fire characteristics	Standard Condition Characteristics	UL 94-V0

Mechanical data		
Weight		approx. 5 g/m
Tensile strength	Standard	IEC 60794-1-2 E1
	During installation	100 N
	In service	50 N
Min. bending radius	Standard	IEC 60794-1-2 E11
	During installation	30 mm
	In service	20 mm
Repeated bending	Standard	IEC 60794-1-21 E6
	Radius	30 mm
	Weight	1 kg
	Cycles	1000

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Mechanical data		
Crush resistance	Standard During installation In service	IEC 60794-1-21 E3 3000 N/dm 1000 N/dm
Impact resistance	Standard Energy Cycles	IEC 60794-1-21 E4 0.74 J 3

Colours	
Fiber	H200: transparent
Standard outer jacket colours	Black

Type of fiber	
Fiber type	**Fiber standard**
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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