

SCHOTT® Fiber Optic Light Cables (LKS)

For museum and retail showcases, saunas and spas



SCHOTT® Fiber Optic Light Cables (LKS) provide an efficient and flexible method of transporting light from an external LED light source to a display area, while providing effective, durable and long-lasting performance. Up to several hundred light dots can be combined to create a myriad of lighting patterns in sauna ceilings or elaborate display showcases.

Features:

- Thin and flexible.
- Able to withstand high temperatures and high levels of humidity in demanding environments such as saunas.

Advantages:

- Optimum safety of illuminated objects as glass fibers transmit light but no electricity.
- Zero heat transference means showcase temperatures are kept at a consistent level.
- Illuminate displays without harmful UV or IR radiation.
- Suitable for installation in tight spaces and corners within showcases, shelves and walls.

Technical Specifications

Size	Part No.	Fiber bundle diameter [mm (in)]	Outer (cable) diameter [mm (in)]	Minimum bending radius [mm (in)]	End ferrule options (see page 2)	Sheathing	Operation temperature [°C (°F)]
¾	561300173	1.0 (0.039)	2.2 ± 0.10 (0.087 ± 0.004)	5 (0.197)	B1	HFFR compounds (halogen-free and flame-retardant: fire class Eca); Hardness: Shore 45D (acc. to DIN 53505); color: black (similar to RAL 9011) Compliant with European directive 2011/65/EU including 2015/863/EU REACH compliant	Common end face, glued: 0...+200 (+32...+392) Flex sheathing -20...+70 (+4...+158)
1.3	1500116	1.3 (0.051)	2.2 ± 0.10 (0.087 ± 0.004)	8 (0.315)	B1		
1.5	561330024	1.4 (0.055)	2.7 ± 0.10 (0.106 ± 0.004)	8 (0.315)	B1.5		
3	561360154	2.0 (0.079)	3.85 ± 0.15 (0.152 ± 0.006)	15 (0.591)	B2, F2		
6	1500118	2.6 (0.102)	4.2 ± 0.15 (0.165 ± 0.006)	15 (0.591)	-		
8	561370139	3.0 (0.118)	4.85 ± 0.15 (0.191 ± 0.006)	20 (0.787)	B3, F3, G3, SG3		
9	1500119	3.3 (0.130)	4.65 ± 0.15 (0.183 ± 0.006)	20 (0.787)	-		
14	561380086	4.0 (0.157)	6.35 ± 0.15 (0.250 ± 0.006)	25 (0.984)	B4, F4, G4		
18	1127105	4.5 (0.177)	7.4 ± 0.15 (0.291 ± 0.006)	40 (1.575)	B4, F4.5, G4.5		
24	561380078	5.8 (0.228)	8.7 ± 0.3 (0.343 ± 0.012)	50 (1.969)	F6		
26	1500120	6.0 (0.236)	9.7 ± 0.3 (0.382 ± 0.012)	50 (1.969)	-		
36	561380131	7.3 (0.287)	10.1 ± 0.3 (0.398 ± 0.012)	60 (2.362)	F7.3		

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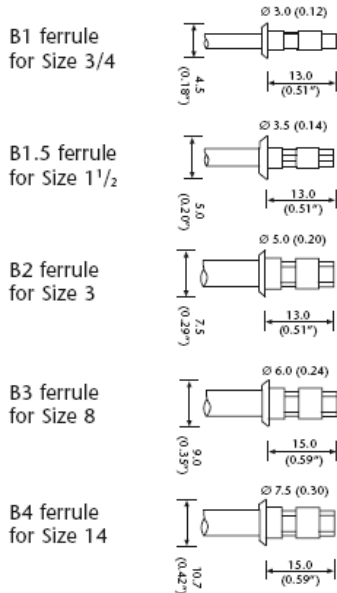
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Standard ferrules

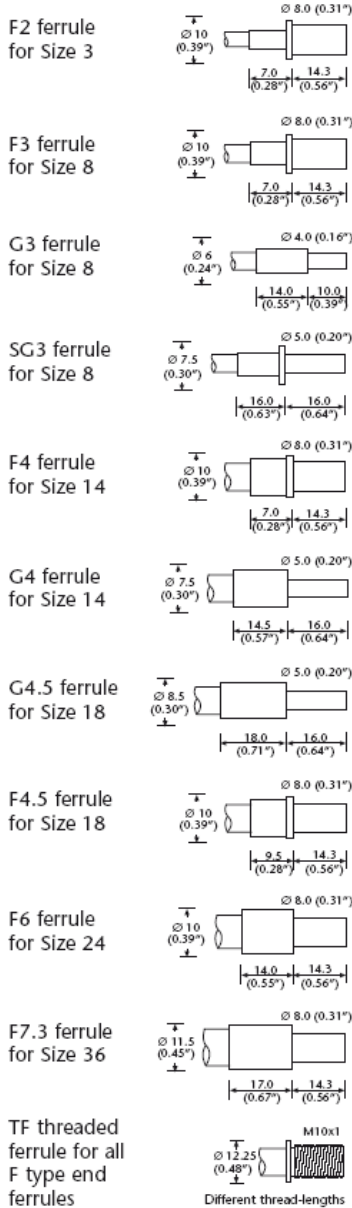
Brass ferrules
(for crimped cable ends)

Nickel silver ferrules
(for stripped cable ends)

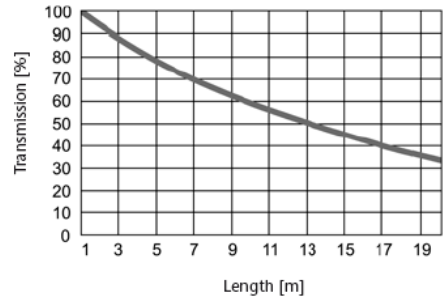
End ferrules – decorative applications



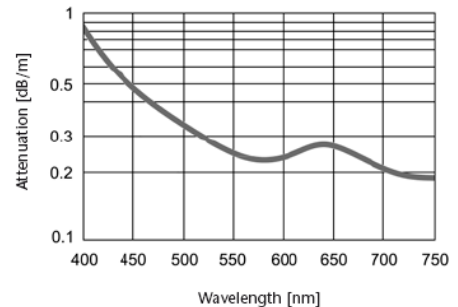
End ferrules – lighting applications



The transmission of light versus tail length



Absorption of light, per meter of fiber, versus wavelength



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