

# SpectraFlex® harnesses

## Finest quality end emitting glass fiber optic harnesses

- Excellent color characteristics & transmission
- Electrically safe
- Multi-fiber construction provides flexibility
- Unrivalled longevity
- High quality SCHOTT glass fibers
- Factory terminated common end to ensure quality and performance



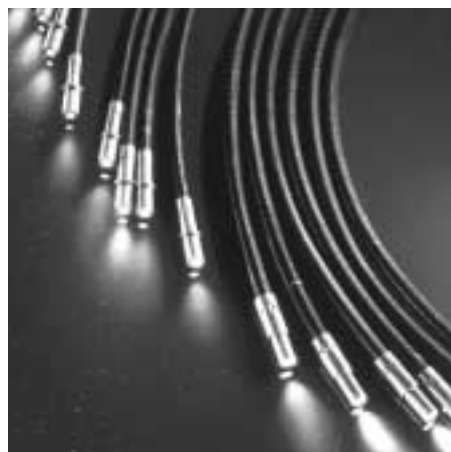
### ORDERING INFORMATION

Subject to certain guidelines we can produce harnesses to your requirements. A harness can contain different flex sizes and tail lengths. Within a harness, lengths can be specified in 100 mm steps up to 20m.

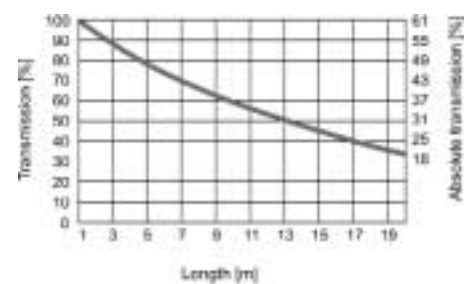
Mixed tails (ie SpectraFlex, SpectraStream, SpectraLine, etc) of different sizes can be included in a harness. Special harnesses are available upon request.

When ordering please note the maximum number of tails possible in a harness and the maximum tail length.

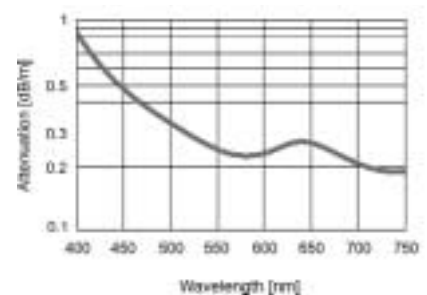
Note: tolerances apply to the tail length of harnesses. Please contact us for details.



The transmission of light versus tail length.



Absorption of light per meter of fiber versus wavelength.

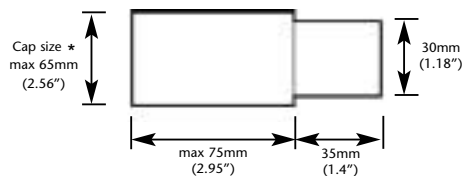


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# Specification

SIZE	Units	Sizes in SIZE							
		0.75	1.5	3	8	14	18	24	36
Fiber bundle diam	mm (in)	1.0 (0.04)	1.5 (0.06)	2.0 (0.08)	3.0 (0.12)	4.0 (0.16)	4.5 (0.18)	5.8 (0.23)	7.3 (0.29)
Outer diameter	mm	2.2 ±0.10	2.7 ±0.10	3.85 ±0.15	4.85 ±0.15	6.35 ±0.15	6.35 ±0.15	8.7 ±0.30	10.1 ±0.30
	(in)	(0.09) (±0.004)	(0.11) (±0.004)	(0.15) (±0.006)	(0.19) (±0.006)	(0.25) (±0.006)	(0.25) (±0.006)	(0.34) (±0.012)	(0.40) (±0.012)
Minimum bending radius	mm	5	8	15	20	25	25	50	60
	(in)	(0.20)	(0.31)	(0.59)	(0.79)	(0.98)	(0.98)	(1.97)	(2.36)
Maximum number of tails	cap size A (36 mm)	130	90	50	24	14	12	8	7
	cap size B (54 mm)	270	200	105	52	30	24	16	10
	cap size C (65 mm)	435	230	130	-	-	-	-	-
Randomized option		no	no	no	yes	yes	yes	yes	yes
Tail ferrule options		B1	B1.5	B2	B3,G3 SG3,F3	B4,F4 G4	F4.5	F6	F7.3
Common end		S30							
Sheathing		HFFR - compounds (halogen-free & self extinguishing)							
Operating temperature	°C (°F)	-20 ... +80 (+4 ... +176)							

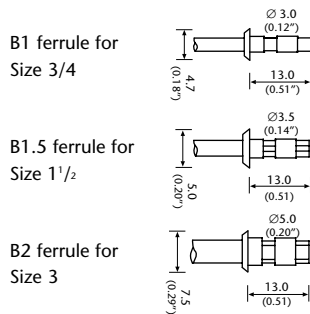
## Common end S30



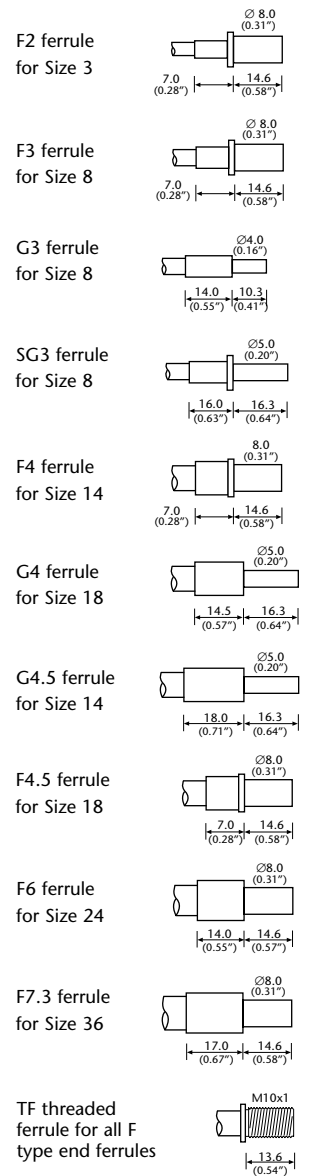
\* see "maximum number of tails, unrandomised" in table above



## End ferrules - decorative applications



## End ferrules - lighting applications



SpectraFlex® is a registered trademark in the name of SCHOTT.

Should you require further information please contact your local SCHOTT distributor.

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In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product.

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