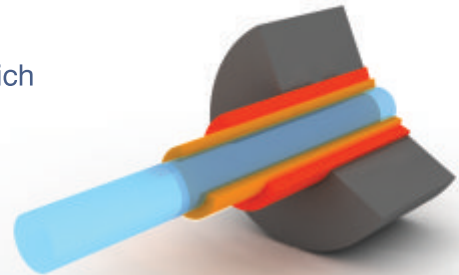
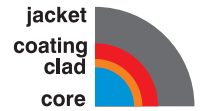


AS IR-Taper Fasern

Merkmale

- » Große Einkoppel-Fläche
- » Umwandlung nicht homogener Strahlung in homogener Strahlung
- » Als UV und IR Typ verfügbar
- » Größere Ausgangsleistung als Standard-Fasern mit gleichem Durchmesser
- » Alternative zu Linsensystemen
- » Biokompatible Materialien
- » Sterilisation durch ETO, Dampf, E-beam, Gamma-Strahlung möglich



Faser-Design

Kern

- » Rein verschmolzene Quarz Kern

Optischer Mantel / Cladding

- » Fluor dotierte Quarz cladding / optischer Mantel

Buffer optional

- » Silicone
- » Acrylat
- » Hard Clad
- » Polyimide

Mantel

- » Acrylat (-40°C bis 85°C)
- » Acrylat Hochtemperatur (200°C)
- » Silicone (-40°C bis 180°C)
- » Polyimide (-190°C bis 385°C)
- » Nylon (-40°C bis 100°C)
- » ETFE (-200°C bis 150°C)

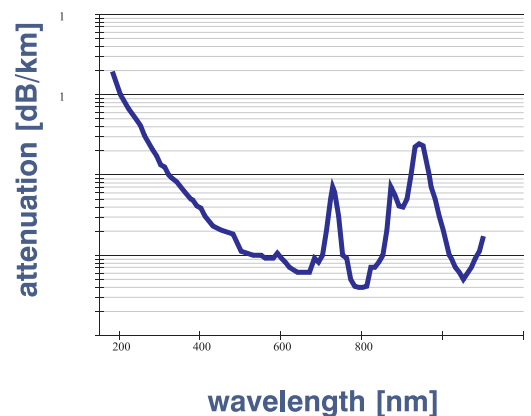
Eigenschaften

- » Kern/Opt.Mantel Verhältnis: 1,1, 1,2
- » Numerische Apertur: 0.22 ± 0.02
- » Wellenlängenbereich: 350 nm bis 2600 nm
- » Typische Übertragung: >80%
- » Laser-Zerstörschwelle (UV) :
 - > 5 J/mm² (Nd:YAG, 1 ms pulse bei 1060 nm) /
 - > 100 mJ/mm² (Nd:YAG, cw bei 1060nm)

Optional

- » Numerische Apertur: 0.10 bis 0.28
- » PCS Taper 0,37
- » Stecker (SMA, FC/PC, ST, DIN),
Sonderstecker auf Anfrage
- » Taper-Faser Kabeln

Spectral Attenuation AS...IR



AS...IR-FIBERS

NYLON JACKETED FIBERS

(-40°C to 85°C)

NOTE

For silicone coating
replace A with S in
product code.

Product code	Core (μm) ± 2%	Clad (μm) ± 2%	Coating (μm) ± 5%	Coating Material	Jacket (μm) ± 5%
AS 100/140 IRAN	100	140	200	Acrylate	500
AS 200/220 IRAN	200	220	350	Acrylate	500
AS 200/280 IRAN	200	280	500	Acrylate	700
AS 300/330 IRAN	300	330	500	Acrylate	700
AS 400/440 IRAN	400	440	550	Acrylate	700
AS 600/660 IRAN	600	660	800	Acrylate	1000
AS 800/880 IRAN	800	880	1000	Acrylate	1200
AS 1000/1100 IRAN	1000	1100	1250	Acrylate	1500
AS 1500/1650 IRAN	1500	1650	1800	Acrylate	2000

ETFE JACKETED FIBERS

(-40°C to 150°C)

NOTE

For acrylate coating
replace S with A in
product code.

Product code	Core (μm) ± 2%	Clad (μm) ± 2%	Coating (μm) ± 5%	Coating Material	Jacket (μm) ± 5%
AS 100/140 IRSE	100	110	180	silicone	300
AS 200/220 IRSE	200	220	350	silicone	500
AS 200/280 IRSE	200	280	500	silicone	700
AS 300/330 IRSE	300	330	500	silicone	700
AS 400/440 IRSE	400	440	550	silicone	700
AS 600/660 IRSE	600	660	800	silicone	1000
AS 800/880 IRSE	800	880	1000	silicone	1200
AS 1000/1100 IRSE	1000	1100	1250	silicone	1500
AS 2000/2100 IRSE	2000	2100	2800	silicone	4000

POLYIMIDE COATED FIBERS

(-190°C to 385°C)

Product code	Core (μm) ± 2%	Clad (μm) ± 2%	Coating (μm) ± 3%
AS 100/140 IRPI	100	140	155
AS 200/220 IRPI	200	220	235
AS 200/280 IRPI	200	280	295
AS 300/330 IRPI	300	330	345
AS 400/440 IRPI	400	440	460
AS 600/660 IRPI	600	660	680

BUNDLES FIBER SPECIFICATIONS

Product code	Core (μm) ± 2%	Clad (μm) ± 2%	Coating (μm) ± 3%	Coating Material	Wavelength Range nm
AS 50/70 IRVV	50	70		Wet coating	350 to 2600
AS 50/70 IRPI	50	70	78	Polyimide	350 to 2600
AS 58/70 IRVV	58	70		Wet coating	350 to 1500
AS 58/70 IRPI	58	70	78	Polyimide	350 to 1500
AS 100/110 IRVV	100	110		Wet coating	350 to 1500
AS 100/110 IRPI	100	110	120	Polyimide	350 to 1500
AS 100/120 IRVV	100	120		Wet coating	350 to 2600
AS 100/120 IRPI	100	120	120	Polyimide	350 to 2600
AS 125/150 IRPI	125	150	160	Polyimide	350 to 2600
AS 150/165 IRPI	150	165	180	Polyimide	350 to 1800
AS 200/220 IRPI	200	220	235	Polyimide	350 to 2600

Other specifications upon request.

fiberware

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