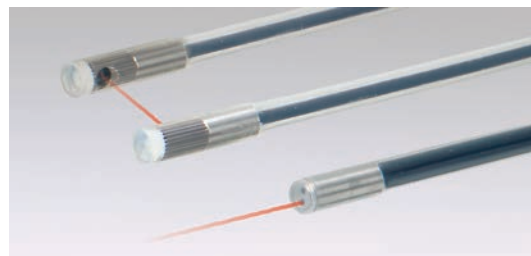


# CHEMICAL RESISTANT



Fluoroplastic (PFA) sheath provides superior chemical resistance

## High resistance to harsh chemicals

PFA encased fiber sensors are an excellent choice for reliable detection in harsh chemical, extreme temperature, and highly abrasive environments. Eight thru-beam and one diffuse models to choose from.

## Specifications (Thru-beam)

	Sensing head	Sensing distance (unit=mm) Value in parenthesis is the Minimum detectable object size. (copper wire)			Operation temperature (°C ~ °C)	Radius (mm)	Part Number
		D3RF	D2RF	BRF			
Thru-beam Square	Side ON Free cut 	7-EL 3,600 6-UL 3,600 5-PL 3,600 4-LG 3,150 3-ST 2,000 2-FS 2,000 1-HS 750	Long 3,500 Std 2,500 Fast 1,300	2,000	0~60	R=25	NF-TY05
	Side ON length of fiber : 5m Free cut 	7-EL 3,600 6-UL 3,600 5-PL 3,600 4-LG 3,200 3-ST 2,000 2-FS 1,600 1-HS 550	Long 3,000 Std 2,000 Fast 1,000	1,500	0~60	R=25	NF-TY05-5

Operating humidity is 35~85%RH. Please use in 0~40°C when it's 85%RH

## Specifications (Thru-beam/Diffuse)

	Sensing head	Sensing distance (unit=mm) Value in parenthesis is the Minimum detectable object size. (copper wire)			Operation temperature (°C ~ °C)	Radius (mm)	Part Number	
		D3RF	D2RF	BRF				
Thru-beam	Heat resistant Free cut 	7-EL 3,600 6-UL 3,600 5-PL 3,300 4-LG 2,880	3-ST 1,890 2-FS 1,890 1-HS 660	Long 3,500 Std 2,300 Fast 1,200	2,000	-40~115	R=30	NF-TY04
	Heat resistant Free cut 	7-EL 4,000 6-UL 4,000 5-PL 4,000 4-LG 3,000 3-ST 2,800 2-FS 2,000 1-HS 700		Long 3,500 Std 2,500 Fast 1,200	2,000	-40~105	R=60	NF-TY01
	Heat resistant length of fiber : 3m Free cut 	7-EL 4,000 6-UL 4,000 5-PL 4,000 4-LG 3,500 3-ST 3,000 2-FS 1,700 1-HS 500		Long 2,200 Std 1,300 Fast 550	650	-40~105	R=60	NF-TY01-3
	Sideview Free cut 	7-EL 4,000 6-UL 3,500 5-PL 2,800 4-LG 2,000	3-ST 1,500 2-FS 700 1-HS 200	Long 1,500 Std 800 Fast 400	500	-40~70	R=60	NF-TY02
	Sideview Free cut 	7-EL 4,000 6-UL 3,500 5-PL 3,000 4-LG 2,000 3-ST 1,500 2-FS 700 1-HS 200		Long 1,500 Std 800 Fast 400	480	-40~70	Fiber R=25 Tube R=60	NF-TY02-TF3
	elbow-shaped Free cut 	7-EL 4,000 6-UL 4,000 5-PL 3,500 4-LG 3,000 3-ST 2,200 2-FS 1,000 1-HS 300		Long 3,000 Std 1,700 Fast 800	900	-55~70	Fiber R=20 Tube R=20	NF-TY03-TF3
Diffuse	Heat resistant Free cut 	7-EL 440 6-UL 280 5-PL 250 4-LG 225	3-ST 160 2-FS 745 1-HS 85	Long 100 Std 70 Fast 50	45	-40~100	R=60	NF-DY01

Operating humidity is 35~85%RH. Please use in 0~40°C when it's 85%RH.