



THREAD TYPE

M3, M4, and M6 threaded versions with lock nut for easy mounting. Optional lenses provide longer sensing distances of smaller objects.



Space saving

The NF25-T and NF25-D have right angled heads to save space when installed. Heat resistant and R2 mm flexible types are available.

Metal Sheath type

Stainless steel braid protects the fiber cable and prevents fiber cable breakage due to snagging. The R10mm allows the cable to bend in tight areas without breaking.



Straight type

Nut type



Metal sheath type

Specifications (Thru-beam Type : Standard)

Sensing head		Sensing distance (unit=mm)			Operation temperature (°C ~°C)	Radius (mm)	Part Number	
		Value in parenthesis is the Minimum detectable object size. (copper wire)						
		D3RF	D2RF	BRF				
M3	Free cut 	7-EL 3,500 6-UL 2,100 5-PL 1,600 4-LG 1,400	3-ST 1,000 2-FS 550 1-HS 175	Long 1,000 Std 500 Fast 250	450	-40~70	R=25	NF-TM01
	Free cut 	7-EL 900 6-UL 550 5-PL 400 4-LG 350	3-ST 250 2-FS 140 1-HS 45	Long 350 Std 200 Fast 90	120	-40~70	R=15	NF-TM02
Thru-beam	Free cut lens attachable (P.82) 	7-EL 4,000 6-UL 3,000 5-PL 2,200 4-LG 1,900	3-ST 1,400 2-FS 750 1-HS 45	Long 1,800 Std 800 Fast 450	700	-40~70	R=30	NF-TB01
	Free cut lens attachable (P.82) 	7-EL 4,000 6-UL 2,000 5-PL 1,600 4-LG 1,400	3-ST 1,000 2-FS 550 1-HS 175	Long 1,000 Std 500 Fast 250	450	-40~70	R=25	NF-TB02
M4	Metal sheath lens attachable (P.82) 	7-EL 1,590 6-UL 1,440 5-PL 1,260 4-LG 1,140 3-ST 740 2-FS 410 1-HS 130		Long 350 Std 220 Fast 110	300	-40~60	R=10	NF-TJ01

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

Specifications (Diffuse Type : Standard)

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				
M4	Standard Free cut 	7-EL 1,100 6-UL 650 5-PL 550 4-LG 450	3-ST 350 2-FS 200 1-HS 60	Long 400 Std 250 Fast 100	160	-40~70	R=25	NF-DM01
	Coaxial lens attachable (P50) Free cut φ0.25x9 (receiver) φ0.5x1 (emitter) detecting part detail 	7-EL 500 6-UL 300 5-PL 250 4-LG 225	3-ST 150 2-FS 100 1-HS 30	Long 250 Std 120 Fast 50	70	-40~70	R=15	NF-DM02
	Standard Free cut 	7-EL 1,200 6-UL 750 5-PL 650 4-LG 550	3-ST 400 2-FS 250 1-HS 80	Long 400 Std 250 Fast 100	160	-40~70	R=25	NF-DK06
	Coaxial Free cut φ0.25x16 (receiver) φ1x1 (emitter) detecting part detail 	7-EL 1,200 6-UL 750 5-PL 650 4-LG 550	3-ST 400 2-FS 250 1-HS 75	Long 450 Std 250 Fast 100	150	-40~70	R=25	NF-DB01
	Coaxial Free cut φ0.25x16 (receiver) φ1x1 (emitter) detecting part detail 	7-EL 1,200 6-UL 750 5-PL 650 4-LG 575	3-ST 400 2-FS 250 1-HS 75	Long 450 Std 250 Fast 100	150	-40~70	R=25	NF-DB03
	Coaxial Free cut φ0.25x16 (receiver) φ1x1 (emitter) detecting part detail 	7-EL 1,200 6-UL 650 5-PL 550 4-LG 500	3-ST 300 2-FS 150 1-HS 50	Long 450 Std 250 Fast 100	80	-40~70	R=25	NF-DB04
Diffuse	Nut Free cut 	7-EL 550 6-UL 330 5-PL 240 4-LG 200 3-ST 150 2-FS 90 1-HS 23		Long 120 Std 80 Fast 25	45	-40~70	R=25	NF25-D
	elbow-shaped Free cut 	7-EL 540 6-UL 510 5-PL 450 4-LG 390 3-ST 250 2-FS 140 1-HS 40		Long 300 Std 150 Fast 60	100	-40~70	R=25	NF-DB09
	Metal coating 	7-EL 440 6-UL 410 5-PL 360 4-LG 310 3-ST 200 2-FS 100 1-HS 30		Long 280 Std 150 Fast 70	100	-40~70	R=10	NF-DJ02

Operating humidity is 35~85%RH. Please use in 0~40°C when it's 85%RH.
 Sensing distance of diffuse type is for 500 x 500mm white paper.