

Threaded

Cylindrical

Flat

Sleeved

Small Spot

High Power

Narrow
view

BGS

Retro-
reflective

Limited-
reflective

Chemical-
resistant,
Oil-resistant

Bending

Heat-
resistant

Area
Detection

Liquid-level

Vacuum

FPD,
Semi,
Solar

Models	Installation			Cable						Weight (packed state) (g)	Dimensions Page No.
	Ambient temperature	Tightening torque	Mounting hole	Bending radius	Unbendable length*1	Tensile strength	Sheath material	Core material	Emitter/receiver differentiation		
E32-A01 5M	−40 to 70°C	0.03N · m	–	R4	10	9.8N	Fluororesin	Plastic	None	200	51 Page (51-A)
E32-A03 2M	−40 to 70°C	0.29N · m	–	R1	0	9.8N	Polyethylene	Plastic	None	40	31 Page (31-A) 57 Page (57-A)
E32-A03-1 2M	−40 to 70°C	0.29N · m	–	R10	10	9.8N	Polyethylene	Plastic	None	50	31 Page (31-B) 57 Page (57-B)
E32-A04 2M	−40 to 70°C	0.29N · m	2.2 ^{+0.5} ₀ dia.	R10	10	9.8N	Polyethylene	Plastic	None	40	31 Page (31-C) 57 Page (57-C)
E32-A08 2M	−40 to 70°C	0.53N · m	–	R25	10	9.8N	Polyethylene	Plastic	None	60	37 Page (37-C) 55 Page (55-B)
E32-A08H2 2M	−40 to 300°C *2	0.53N · m	–	R25	10	29.4N	SUS	Glass	None	240	47 Page (47-D) 55 Page (55-C)
E32-A09 2M	−40 to 70°C	0.53N · m	–	R25	10	9.8N	Polyethylene	Plastic	None	60	37 Page (37-F) 55 Page (55-E)
E32-A09H2 2M	−40 to 300°C *2, *3	0.53N · m	–	R25	10	9.8N	SUS	Glass	None	230	47 Page (47-E) 55 Page (55-F)
E32-A12 2M	−40 to 70°C	0.53N · m	–	R25	10	9.8N	Polyethylene	Plastic	None	60	37 Page (37-D) 55 Page (55-D)
E32-C21N 2M	−40 to 70°C	0.29N · m	3.2 ^{+0.5} ₀ dia. *4	R2	0	9.8N	Polyethylene	Plastic	White line on emitter cable	30	99 Page (99-D)
E32-C31 2M	−40 to 70°C	0.78N · m	3.2 ^{+0.5} ₀ dia. *4	R25	10	9.8N	Polyethylene	Plastic	White line on emitter cable	40	09 Page (09-D)
E32-C31M 1M	−40 to 70°C	0.78N · m	3.2 ^{+0.5} ₀ dia. *4	R10	10	9.8N	Polyethylene	Plastic	White line on emitter cable	40	09 Page (09-E)
E32-C31N 2M	−40 to 70°C	0.29N · m	3.2 ^{+0.5} ₀ dia. *4	R4	0	9.8N	PVC and Polyethylene	Plastic	White line on emitter cable	40	09 Page (09-A)
E32-C41 1M	−40 to 70°C	0.78N · m	3.2 ^{+0.5} ₀ dia. *4	R25	10	9.8N	Polyethylene	Plastic	White tube on emitter cable	30	23 Page (23-A), (23-D)
E32-C42 1M	−40 to 70°C	0.29N · m	2.2 ^{+0.5} ₀ dia.	R25	10	9.8N	Polyethylene	Plastic	White tube on emitter cable	30	21 Page (21-A), (21-B)
E32-C42S 1M	−40 to 70°C	0.29N · m	3.2 ^{+0.5} ₀ dia.	R25	10	4N	Polyolefin	Plastic	White tube on emitter cable	30	21 Page (21-E)
E32-CC200 2M	−40 to 70°C	0.98N · m	6.2 ^{+0.5} ₀ dia.	R25	10	29.4N	Polyethylene	Plastic	White line on emitter cable	40	09 Page (09-H)
E32-C91N 2M	−40 to 70°C	0.98N · m	6.2 ^{+0.5} ₀ dia.	R4	0	29.4N	Polyethylene	Plastic	White line on emitter cable	36	09 Page (09-B) 99 Page (99-F)
E32-D11 2M	−40 to 70°C	0.98N · m	6.2 ^{+0.5} ₀ dia.	R4	10	29.4N	PVC	Plastic	None	50	43 Page (43-E)
E32-D11R 2M	−40 to 70°C	0.98N · m	6.2 ^{+0.5} ₀ dia.	R1	0	29.4N	PVC	Plastic	None	50	09 Page (09-G)
E32-D11U 2M	−40 to 70°C	0.98N · m	6.2 ^{+0.5} ₀ dia.	R4	10	29.4N	Fluororesin	Plastic	None	60	39 Page (39-I)
E32-D12F 2M	−40 to 70°C	0.78N · m	6.5 ^{+0.5} ₀ dia.	R40	10	29.4N	Fluororesin	Plastic	None	190	39 Page (39-H)
E32-D15XR 2M	−40 to 70°C	0.15N · m	–	R1	0	29.4N	PVC	Plastic	None	60	15 Page (15-E)
E32-D15YR 2M	−40 to 70°C	0.15N · m	–	R1	0	29.4N	PVC	Plastic	None	60	15 Page (15-F)
E32-D15ZR 2M	−40 to 70°C	0.15N · m	–	R1	0	29.4N	PVC	Plastic	None	60	15 Page (15-G)
E32-D16 2M	−40 to 70°C	0.53N · m	–	R4	10	29.4N	PVC	Plastic	None	70	25 Page (25-E)
E32-D21 2M	−40 to 70°C	0.78N · m	3.2 ^{+0.5} ₀ dia. *4	R4	10	9.8N	PVC	Plastic	None	20	43 Page (43-B)
E32-D211R 2M	−40 to 70°C	0.78N · m	4.2 ^{+0.5} ₀ dia.	R1	0	9.8N	Polyethylene	Plastic	None	40	09 Page (09-F)
E32-D21B 2M	−40 to 70°C	0.78N · m	4.2 ^{+0.5} ₀ dia.	R4	10	9.8N	PVC	Plastic	None	40	43 Page (43-D)
E32-D21N 2M	−40 to 70°C	0.78N · m	4.2 ^{+0.5} ₀ dia.	R2	0	9.8N	Polyethylene	Plastic	None	30	99 Page (99-E)
E32-D21R 2M	−40 to 70°C	0.78N · m	3.2 ^{+0.5} ₀ dia. *4	R1	0	9.8N	Polyethylene	Plastic	None	20	09 Page (09-C)
E32-D21-S3 2M	−40 to 70°C	0.78N · m	4.2 ^{+0.5} ₀ dia.	R10	10	9.8N	Polyethylene	Plastic	None	50	19 Page (19-J)
E32-D221B 2M	−40 to 70°C	0.29N · m	3.2 ^{+0.5} ₀ dia.	R4	10	9.8N	PVC	Plastic	None	40	13 Page (13-D) 43 Page (43-C)
E32-D22B 2M	−40 to 70°C	0.2N · m	1.7 ^{+0.5} ₀ dia.	R4	10	9.8N	PVC	Plastic	None	30	13 Page (13-A) 43 Page (43-A)

*1 Unbendable length of cable from fiber head.
Do not bend the cable for at least 20 mm from where the cable inserts into the Fiber Amplifier Unit.
*2 The heat-resistant rating is not the same for all parts of all parts of the Fiber Unit. Refer to the dimensions diagrams for details.
*3 Avoid rapid temperature changes.
*4 For embedded mounting, prepare a hole with a diameter of 2.6 mm.

Models	Installation			Cable						Weight (packed state) (g)	Dimensions Page No.
	Ambient temperature	Tightening torque	Mounting hole	Bending radius	Unbendable length*1	Tensile strength	Sheath material	Core material	Emitter/receiver differentiation		
E32-D22R 2M	−40 to 70°C	0.29N · m	3.2 ^{+0.5} ₀ dia.	R1	0	9.8N	Polyethylene	Plastic	None	40	13 Page (13-C)
E32-D22-S1 2M	−40 to 70°C	0.29N · m	4.2 ^{+0.5} ₀ dia.	R10	10	9.8N	Polyethylene	Plastic	None	45	19 Page (19-I)
E32-D24R 2M	−40 to 70°C	0.29N · m	3.2 ^{+0.5} ₀ dia.	R1	0	9.8N	Polyethylene	Plastic	None	40	19 Page (19-A)
E32-D24-S2 2M	−40 to 70°C	0.29N · m	5 ^{+0.5} ₀ dia.	R25	10	19.6N	Polyethylene	Plastic	None	55	19 Page (19-B)
E32-D25XB 2M	−40 to 70°C	0.15N · m	–	R4	10	9.8N	PVC	Plastic	None	40	43 Page (43-F)
E32-D25-S3 2M	−40 to 70°C	0.29N · m	–	R10	10	9.8N	Polyethylene	Plastic	None	50	19 Page (19-L)
E32-D31-S1 0.5M	−40 to 70°C	0.78N · m	3.2 ^{+0.5} ₀ dia. *2	R4	10	9.8N	Polyolefin	Plastic	None	35	19 Page (19-G)
E32-D32L 2M	−40 to 70°C	0.29N · m	3.2 ^{+0.5} ₀ dia.	R25	10	29.4N	Polyethylene	Plastic	Yellow dotted line on emitter cable	50	13 Page (13-E)
E32-D32-S1 0.5M	−40 to 70°C	0.29N · m	3.2 ^{+0.5} ₀ dia.	R4	10	9.8N	Polyolefin	Plastic	None	35	19 Page (19-F)
E32-D33 2M	−40 to 70°C	0.29N · m	3.2 ^{+0.5} ₀ dia.	R25	10	9.8N	Polyethylene	Plastic	None	40	13 Page (13-F) 19 Page (19-E)
E32-D331 2M	−40 to 70°C	0.29N · m	2.2 ^{+0.5} ₀ dia.	R4	10	9.8N	Polyethylene	Plastic	None	30	19 Page (19-D)
E32-D36P1 2M	−40 to 70°C	0.78N · m	–	R4	10	29.4N	Polyethylene	Plastic	None	60	49 Page (49-E)
E32-D36T 2M	−40 to 70°C	–	–	R4	10	29.4N	Polyethylene	Plastic	None	190	51 Page (51-C)
E32-D43M 1M	−40 to 70°C	0.29N · m	1.7 ^{+0.5} ₀ dia.	R4	10	9.8N	Polyethylene	Plastic	None	30	13 Page (13-B) 19 Page (19-C)
E32-D51 2M	−40 to 150°C *3	0.98N · m	6.2 ^{+0.5} ₀ dia.	R35	10	29.4N	Fluororesin	Plastic	None	60	47 Page (47-B)
E32-D51R 2M	−40 to 100°C *4	0.98N · m	6.2 ^{+0.5} ₀ dia.	R2	0	29.4N	Polyurethane	Plastic	None	60	47 Page (47-A)
E32-D61-S 2M	−60 to 350°C *5	0.98N · m	6.2 ^{+0.5} ₀ dia.	R25	10	29.4N	SUS	Glass	None	190	47 Page (47-G)
E32-D611-S 2M	−60 to 350°C *5	0.98N · m	4.2 ^{+0.5} ₀ dia.	R25	10	29.4N	SUS	Glass	None	170	47 Page (47-F)
E32-D73-S 2M	−40 to 400°C *5	0.78N · m	4.2 ^{+0.5} ₀ dia.	R25	10	29.4N	SUS	Glass	None	170	47 Page (47-H)
E32-D81R-S 2M	−40 to 200°C *5	0.78N · m	6.2 ^{+0.5} ₀ dia.	R10	10	9.8N	Fluororesin	Glass	None	70	47 Page (47-C)
E32-D82F1 4M	−40 to 200°C	0.29N · m	6.5 ^{+0.5} ₀ dia.	R25	10	29.4N	Fluororesin	Plastic	None	450	51 Page (51-D)
E32-DC200BR 2M	−40 to 70°C	0.98N · m	6.2 ^{+0.5} ₀ dia.	R1	0	29.4N	PVC	Plastic	None	60	19 Page (19-K)
E32-DC200F4R 2M	−40 to 70°C	0.78N · m	3.2 ^{+0.5} ₀ dia. *2	R1	0	9.8N	Polyethylene	Plastic	None	40	19 Page (19-H)
E32-G16 2M	−40 to 70°C	0.53N · m	–	R5	0 *6	29.4N	Polyethylene	Plastic	–	51	49 Page (49-D)
E32-L11FP 2M	−10 to 60°C	0.78N · m	–	R40	10	9.8N	Fluororesin	Plastic	None	310	39 Page (39-F) 55 Page (55-G)
E32-L11FS 2M	−10 to 85°C	0.78N · m	–	R40	10	9.8N	Fluororesin	Plastic	None	310	39 Page (39-G) 55 Page (55-H)
E32-L15 2M	−40 to 70°C	0.53N · m	–	R25	10	29.4N	Polyethylene	Plastic	White tube on emitter cable	60	21 Page (21-F)
E32-L16-N 2M	−40 to 70°C	0.29N · m	–	R25	10	29.4N	Polyethylene	Plastic	None	60	33 Page (33-A) 37 Page (37-B) 55 Page (55-A)
E32-L24S 2M	−40 to 70°C	0.29N · m	–	R10	10	9.8N	Polyethylene	Plastic	None	40	33 Page (33-B) 37 Page (37-A)
E32-L25L 2M	−40 to 105°C *4	0.29N · m	–	R10	10	9.8N	Polyethylene	Plastic	None	40	33 Page (33-C) 37 Page (37-E)
E32-L25T 2M	−40 to 70°C	–	–	R10	10	9.8N	Polyethylene	Plastic	None	40	51 Page (51-B)
E32-LD11 2M	−40 to 70°C	0.98N · m	–	R25	10	29.4N	Polyethylene	Plastic	None	40	09 Page (09-I)
E32-LD11N 2M	−40 to 70°C	0.98N · m	6.2 ^{+0.5} ₀ dia.	R2	0	29.4N	Polyethylene	Plastic	None	40	99 Page (99-C)
E32-LD11R 2M	−40 to 70°C	0.98N · m	–	R1	0	29.4N	Polyethylene	Plastic	None	40	09 Page (09-I)

*1 Unbendable length of cable from fiber head.

Do not bend the cable for at least 20 mm from where the cable inserts into the Fiber Amplifier Unit.

*2 For embedded mounting, prepare a hole with a diameter of 2.6 mm.

*3 For continuous operation, use the Fiber Unit between −40 to 130°C.

*4 For continuous operation, use the Fiber Unit between −40 to 90°C.

*5 The heat-resistant rating is not the same for all parts of the Fiber Unit. Refer to the dimensions diagrams for details.

*6 The bending radius of the protective cover (PVC, 25 mm) is 10 mm min.

Threaded	Standard Installation
Cylindrical	
Flat	Saving Space
Sleeved	
Small Spot	Beam Improvements
High Power	
Narrow view	
BGS	Transparent Objects
Retro-reflective	
Limited-reflective	
Chemical-resistant, Oil-resistant	Environmental Immunity
Bending	
Heat-resistant	
Area Detection	Applications
Liquid-level	
Vacuum	
FPD, Semi, Solar	

Threaded

Cylindrical

Flat

Sleeved

Small Spot

High Power

Narrow
view

BGS

Retro-
reflective

Limited-
reflective

Chemical-
resistant,
Oil-resistant

Bending

Heat-
resistant

Area
Detection

Liquid-level

Vacuum

FPD,
Semi,
Solar

Models	Installation			Cable						Weight (packed state) (g)	Dimensions Page No.
	Ambient temperature	Tightening torque	Mounting hole	Bending radius	Unbendable length*1	Tensile strength	Sheath material	Core material	Emitter/receiver differentiation		
E32-LR11NP 2M	−40 to 70°C *2	0.98N · m	6.2 ^{+0.5} ₀ dia.	R2	0	29.4N	Polyethylene	Plastic	None	40	35 Page (35-A) 99 Page (99-G)
E32-LT11 2M	−40 to 70°C	0.78N · m	–	R25	10	29.4N	Polyethylene	Plastic	None	40	07 Page (07-C) 25 Page (25-C)
E32-LT11N 2M	−40 to 70°C	0.78N · m	4.2 ^{+0.5} ₀ dia.	R2	0	29.4N	Polyethylene	Plastic	None	40	25 Page (25-A) 99 Page (99-A)
E32-LT11R 2M	−40 to 70°C	0.78N · m	–	R1	0	29.4N	Polyethylene	Plastic	None	40	07 Page (07-C) 25 Page (25-C)
E32-LT35Z 2M	−40 to 70°C	0.15N · m	–	R1	0	9.8N	Polyethylene	Plastic	None	25	15 Page (15-D)
E32-R16 2M	−25 to 55°C	0.54N · m	–	R25	10	29.4N	Polyethylene	Plastic	None	220 (E39-R1 included.)	35 Page (35-B)
E32-R21 2M	−40 to 70°C	0.39N · m	6.2 ^{+0.5} ₀ dia.	R10	10	9.8N	Polyethylene	Plastic	None	70 (E39-R3 included.)	35 Page (35-C)
E32-T10V 2M	−25 to 70°C	0.3N · m	–	R25	10	29.4N	Fluororesin	Plastic	None	170	53 Page (53-D)
E32-T11 2M	−40 to 70°C	0.78N · m	4.2 ^{+0.5} ₀ dia.	R4	10	29.4N	PVC	Plastic	None	40	41 Page (41-C)
E32-T11F 2M	−40 to 70°C	0.29N · m	–	R4	10	29.4N	Fluororesin	Plastic	None	60	39 Page (39-C)
E32-T11N 2M	−40 to 70°C	0.78N · m	4.2 ^{+0.5} ₀ dia.	R1	0	29.4N	PVC	Plastic	None	70	07 Page (07-A)
E32-T11NF 2M	−25 to 70°C	12N · m	8.5 ^{+0.5} ₀ dia.	R1	0	29.4N	Fluororesin	Plastic	None	80	39 Page (39-A)
E32-T11NFS 2M	−25 to 70°C	0.78N · m	4.2 ^{+0.5} ₀ dia.	R1	0	29.4N	Fluororesin	Plastic	None	70	39 Page (39-A2)
E32-T11R 2M	−40 to 70°C	0.78N · m	4.2 ^{+0.5} ₀ dia.	R1	0	29.4N	PVC	Plastic	None	50	07 Page (07-B)
E32-T12F 2M	−40 to 70°C	0.78N · m	5.5 ^{+0.5} ₀ dia.	R40	10	29.4N	Fluororesin	Plastic	None	210	39 Page (39-B)
E32-T12R 2M	−40 to 70°C	0.29N · m	3.2 ^{+0.5} ₀ dia.	R1	0	29.4N	PVC	Plastic	None	60	11 Page (11-C)
E32-T14 2M	−40 to 70°C	0.49N · m	–	R25	10	29.4N	Polyethylene	Plastic	None	60	25 Page (25-D)
E32-T14F 2M	−40 to 70°C	0.78N · m	5.5 ^{+0.5} ₀ dia.	R40	10	29.4N	Fluororesin	Plastic	None	220	39 Page (39-D)
E32-T14LR 2M	−40 to 70°C	0.29N · m	3.2 ^{+0.5} ₀ dia.	R1	0	29.4N	PVC	Plastic	None	60	11 Page (11-D)
E32-T15XR 2M	−40 to 70°C	0.15N · m	–	R1	0	29.4N	PVC	Plastic	None	60	15 Page (15-A)
E32-T15YR 2M	−40 to 70°C	0.15N · m	–	R1	0	29.4N	PVC	Plastic	None	60	15 Page (15-B)
E32-T15ZR 2M	−40 to 70°C	0.15N · m	–	R1	0	29.4N	PVC	Plastic	None	60	15 Page (15-C)
E32-T16JR 2M	−40 to 70°C	0.29N · m	–	R1	0	9.8N	PVC	Plastic	None	60	49 Page (49-B)
E32-T16PR 2M	−40 to 70°C	0.29N · m	–	R1	0	9.8N	PVC	Plastic	None	60	49 Page (49-A)
E32-T16WR 2M	−25 to 55°C	0.29N · m	–	R1	0	9.8N	PVC	Plastic	None	60	49 Page (49-C)
E32-T17L 10M	−40 to 70°C	0.78N · m	14.5 ⁺¹ ₀ dia.	R25	10	29.4N	Polyethylene	Plastic	None	240	25 Page (25-B)
E32-T21 2M	−40 to 70°C	0.78N · m	3.2 ^{+0.5} ₀ dia. *3	R4	10	9.8N	PVC	Plastic	None	30	41 Page (41-B)
E32-T21-S1 2M	−40 to 70°C	0.78N · m	3.2 ^{+0.5} ₀ dia. *3	R10	10	9.8N	Polyethylene	Plastic	None	45	17 Page (17-D)
E32-T223R 2M	−40 to 70°C	0.20N · m	1.2 ^{+0.5} ₀ dia.	R1	20	9.8N	Polyethylene	Plastic	None	40	11 Page (11-A)
E32-T22B 2M	−40 to 70°C	0.20N · m	1.7 ^{+0.5} ₀ dia.	R4	10	9.8N	PVC	Plastic	None	40	11 Page (11-B) 41 Page (41-A)
E32-T22S 2M	−40 to 70°C	0.29N · m	3.2 ^{+0.5} ₀ dia.	R10	10	29.4N	PVC	Plastic	None	60	31 Page (31-F)
E32-T24E 2M	−40 to 70°C	0.29N · m	2.7 ^{+0.5} ₀ dia.	R10	10	9.8N	Polyethylene	Plastic	None	40	17 Page (17-B)
E32-T24R 2M	−40 to 70°C	0.29N · m	2.2 ^{+0.5} ₀ dia.	R1	0	9.8N	Polyethylene	Plastic	None	40	17 Page (17-A)
E32-T24S 2M	−40 to 70°C	0.29N · m	–	R10	10	29.4N	PVC	Plastic	None	60	31 Page (31-E) 57 Page (57-E)
E32-T24SR 2M	−40 to 70°C	0.29N · m	–	R1	0	9.8N	PVC	Plastic	None	60	31 Page (31-D) 57 Page (57-D)
E32-T25XB 2M	−40 to 70°C	0.15N · m	–	R4	10	9.8N	PVC	Plastic	None	40	41 Page (41-D)

*1 Unbendable length of cable from fiber head.

Do not bend the cable for at least 20 mm from where the cable inserts into the Fiber Amplifier Unit.

*2 Ambient operating temperature of the recommended reflector (E39-RP1) is −40 to 60°C.

*3 For embedded mounting, prepare a hole with a diameter of 2.6 mm.

Models	Installation			Cable						Weight (packed state) (g)	Dimensions Page No.
	Ambient temperature	Tightening torque	Mounting hole	Bending radius	Unbendable length*1	Tensile strength	Sheath material	Core material	Emitter/receiver differentiation		
E32-T33 1M	−40 to 70°C	0.29N · m	3.2 ^{+0.5} ₀ dia.	R10	10	9.8N	Polyethylene	Plastic	None	40	17 Page (17-C)
E32-T51 2M	−40 to 150°C *2	0.78N · m	4.2 ^{+0.5} ₀ dia.	R35	10	29.4N	Fluororesin	Plastic	None	70	45 Page (45-B)
E32-T51F 2M	−40 to 150°C *2	0.78N · m	5.5 ^{+0.5} ₀ dia.	R40	10	29.4N	Fluororesin	Plastic	None	220	39 Page (39-E)
E32-T51R 2M	−40 to 100°C *3	0.78N · m	4.2 ^{+0.5} ₀ dia.	R2	0	29.4N	Polyurethane	Plastic	None	60	45 Page (45-A)
E32-T51V 1M	−25 to 120°C	0.29N · m	4.2 ^{+0.5} ₀ dia.	R30	10	29.4N	Fluororesin	Glass	None	160	53 Page (53-A)
E32-T61-S 2M	−60 to 350°C *4	0.78N · m	4.2 ^{+0.5} ₀ dia.	R25	10	29.4N	SUS	Glass	None	200	45 Page (45-D)
E32-T81R-S 2M	−40 to 200°C *4	0.78N · m	4.2 ^{+0.5} ₀ dia.	R10	10	9.8N	Fluororesin	Glass	None	60	45 Page (45-C)
E32-T84SV 1M	−25 to 200°C	0.29N · m	4.5 ^{+0.5} ₀ dia.	R25	10	29.4N	SUS	Glass	None	190	53 Page (53-C)
E32-TC200BR 2M	−40 to 70°C	0.78N · m	4.2 ^{+0.5} ₀ dia.	R1	0	29.4N	PVC	Plastic	None	60	17 Page (17-E)
E32-VF1	−25 to 70°C	–	–	–	–	–	–	–	–	240	53 Page (53-F)
E32-VF4	−25 to 70°C	–	–	–	–	–	–	–	–	280	53 Page (53-E)
E39-F1	−40 to 200°C	–	–	–	–	–	–	–	–	2	26 Page (26-A) 27 Page (27-A) to (27-C) 28 Page (28-A) 29 Page (29-A) to (29-C)
E39-F1-33	−40 to 200°C	–	–	–	–	–	–	–	–	3	28 Page (28-D)
E39-F11	–	–	–	–	–	–	–	–	–	30	–
E39-F16	−40 to 350°C	–	–	–	–	–	–	–	–	15	26 Page (26-B) 27 Page (27-D) to (27-F) 28 Page (28-B) 29 Page (29-D) to (29-F, (29-K)
E39-F17	−25 to 70°C	–	–	–	–	–	–	–	–	10	21 Page (21-B)
E39-F18	−40 to 70°C	–	–	–	–	–	–	–	–	5	23 Page (23-G), (23-H)
E39-F1V	−25 to 120°C	–	–	–	–	–	–	–	–	3	53 Page (53-B)
E39-F2	−40 to 200°C	–	–	–	–	–	–	–	–	2	26 Page (26-C) 27 Page (27-G), (27-H) 28 Page (28-C) 29 Page (29-G) to (29-I)
E39-F32A 1M	−40 to 150°C	–	–	R30	–	–	–	–	–	70	43 Page (43-G)
E39-F32C 1M	−40 to 150°C	–	–	R30	–	–	–	–	–	110	41 Page (41-E) 43 Page (43-G)
E39-F32D 1M	−40 to 150°C	–	–	R30	–	–	–	–	–	80	43 Page (43-G)
E39-F3A	−40 to 70°C	–	–	–	–	–	–	–	–	2	21 Page (21-A)
E39-F3A-5	−40 to 70°C	–	–	–	–	–	–	–	–	1	23 Page (23-A), (23-B), (23-C)
E39-F3B	−25 to 55°C	–	–	–	–	–	–	–	–	2	23 Page (23-D), (23-E), (23-F)
E39-F3C	−25 to 55°C	–	–	–	–	–	–	–	–	1	21 Page (21-C), (21-D)
E39-R1	−25 to 55°C	–	–	–	–	–	–	–	–	20	35 Page (35-B)
E39-R3	−25 to 55°C	–	–	–	–	–	–	–	–	20	35 Page (35-C)
E39-RP1	−40 to 60°C	–	–	–	–	–	–	–	–	25	35 Page (35-A) 99 Page (99-G)
E39-RP37	−25 to 55°C	–	–	–	–	–	–	–	–	4	–
E39-RSP1	−25 to 55°C	–	–	–	–	–	–	–	–	4	–

*1 Unbendable length of cable from fiber head.

Do not bend the cable for at least 20 mm from where the cable inserts into the Fiber Amplifier Unit.

*2 For continuous operation, use the Fiber Unit between −40 to 130°C.

*3 For continuous operation, use the Fiber Unit between −40 to 90°C.

*4 The heat-resistant rating is not the same for all parts of the Fiber Unit. Refer to the dimensions diagrams for details.

Threaded	Standard Installation
Cylindrical	
Flat	Saving Space
Sleeved	
Small Spot	Beam Improvements
High Power	
Narrow view	
BGS	Transparent Objects
Retro-reflective	
Limited-reflective	
Chemical-resistant, Oil-resistant	Environmental Immunity
Bending	
Heat-resistant	
Area Detection	Applications
Liquid-level	
Vacuum	
FPD, Semi, Solar	Fiber Amplifiers, Communications Unit, and Accessories
Installation Information	
Technical Guide and Precautions	Model Index