

- Real alternative to splicing
- On sight assembling from 250 µm fiber up to 3.0 mm cable
- Optimized repair solution
- Easy assembling without special tools
- Re-usable
- Long term durable thanks to newest index-matching gel and closed connector design
- 8° cleave for optimized return loss
- MM with Grade Bm_r/3, SM with Grade Cf/1 and Cf/2
- Fulfills IEC 61754-4 (SC) and FprEN 50377-17-1 (field terminable connectors)

Technical data sheet

Performance based on IEC 61753-1 (MM not fully specified)

Optical performance	Grade Bm _r /3	Grade Cf/2	Grade Cf/1
Insertion loss (IL) 95% IEC 61300-3-34	≤ 0.50dB*	≤ 0.50dB*	≤ 0.50dB*
Insertion loss (IL) typical value IEC 61300-3-34	≤ 0.20dB*	≤ 0.20dB*	≤ 0.20dB*
Return loss (RL) IEC 61300-3-6	≥ 35dB	≥ 45dB	≥ 60dB (≥ 55dB unmated)

* Attenuation values for connector including mechanical splice. Random measurement against Grade Bm resp. Grade C connector.

Mechanical properties

Criteria	Date / value	Standard
Mating durability	500x minimum	IEC 61300-2-2
Cable retention patch cable	50N, 120s	IEC 61300-2-4
Cable retention pigtails	3N, 60s (600 µm+900 µm tube) 1N, 60s (250 µm fiber)	IEC 61300-2-4
Vibration	10-55Hz, 1 octave / min. 3 axis of 15 cycles, 0.5h / axis amplitude 0.75 mm	IEC 61300-2-1
Torsion	2N, 0.1N/s; 25 cycles ±180°	IEC 61300-2-5
Repeated bending patch cable	100 cycles -90° / 0° / +90° / 0° load = 5N	IEC 61300-2-44
Repeated bending pigtail	100 cycles -90° / 0° / +90° / 0° load = 0.2N	IEC 61300-2-44
Drop	1.5 m, 5 times	IEC 61300-2-12
Static side load patch cable	1N, 1h	IEC 61300-2-42
Static side load pigtail	0.2N, 5 min.	IEC 61300-2-42

Climatic class

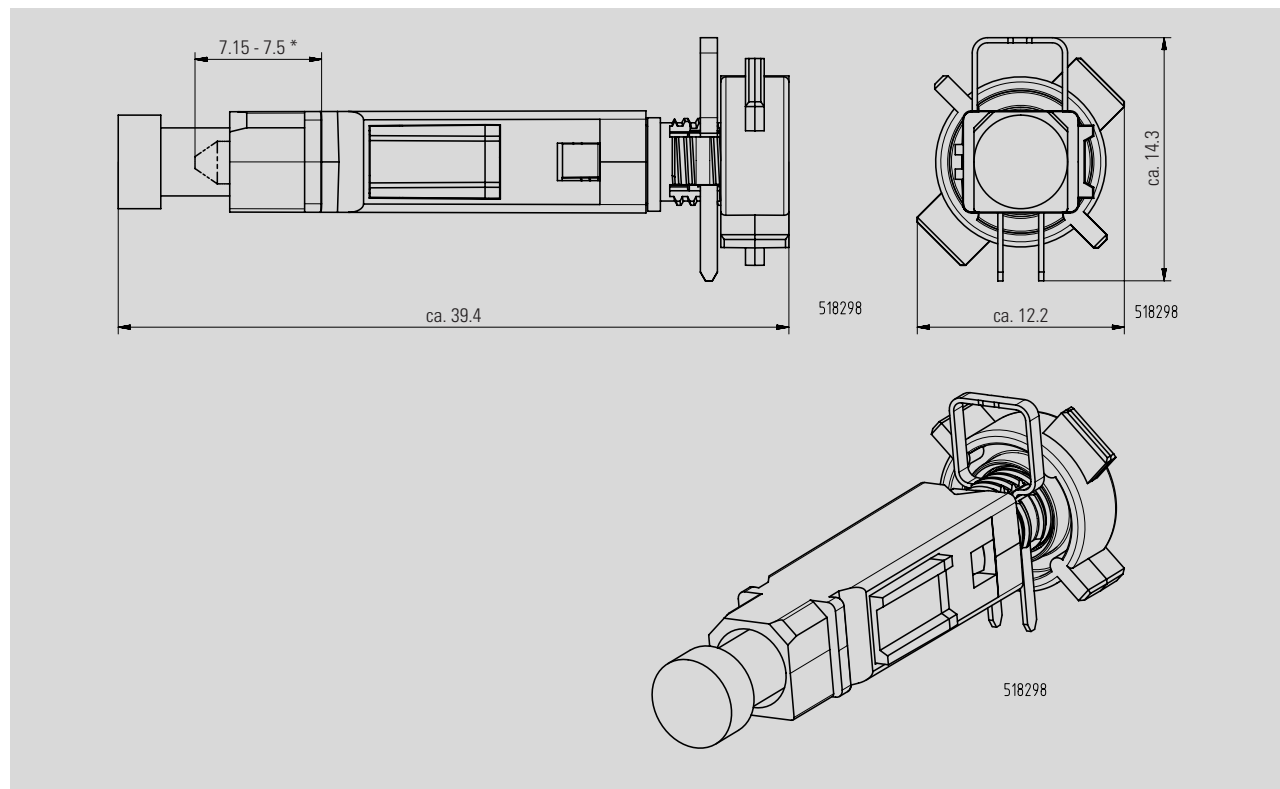
Criteria	Date / value	Standard
Cold	-10°C, 96h	IEC 61300-2-17
Dry heat	+60°C, 96h	IEC 61300-2-18
Change of temperature	-10°C to +60°C, 12 cycles	IEC 61300-2-22

Long term endurance

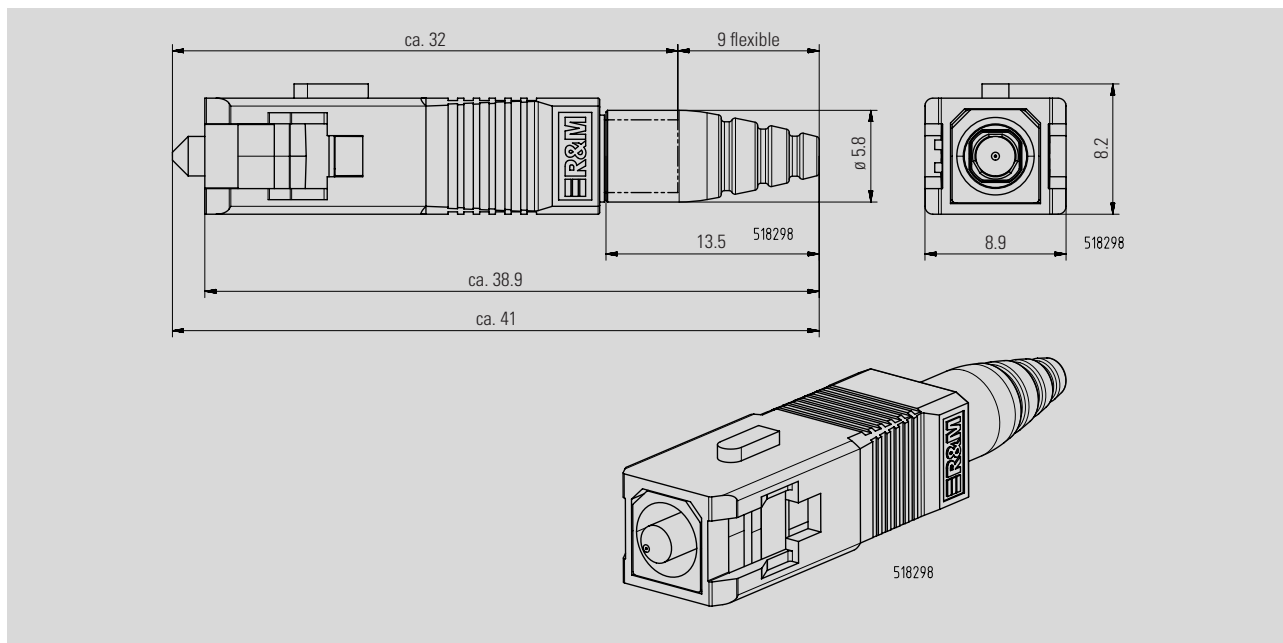
Criteria	Date / value	Standard
Heat resistance	+70°C, 1000h	IEC 61300-2-18
Damp heat	+40°C at 93%, 96h	IEC 61300-2-19

Dimensional diagram of simplex connector

Connector (without outer housing)



Pigtail



Patch cord

