

Simplex OC-S

V-Protect offers optical fiber cable simplex in eight sizes 1.2, 1.4, 1.6, 1.8, 2.0, 2.4, 2.8 and 3.0mm. Cable is made from low smoke zero halogen, flame retardant polyolefin jacket (LS0H), featuring excellent mechanical/physical property. The strength member increases the compression and tensile parameters of the cable. Two size of buffer 0.6mm and 0.9mm. Gel-free cable design. All optical fibers compliant with ITU-T standard.



▣ Features

- Eight sizes to choose: 1.2, 1.4, 1.6, 1.8, 2.0, 2.4, 2.8 and 3.0mm
- Two sizes of buffer: 0.6mm and 0.9mm
- LSZH thermoplastic jacket
- Completely no gel design
- Fibers compliance with ITU-T standard.

▣ Application

- Data Communications and Networks
- Internet, CCTV
- Patch cables in distribution systems
- For direct connector assembly
- Connection cables for devices and for workplace cabling
- Automation

▣ Cable characteristics

	Simplex	1.2	1.4	1.6	1.8	2.0	2.4	2.8	3.0
■ Cable type	Simplex	1.2	1.4	1.6	1.8	2.0	2.4	2.8	3.0
■ Fiber count		1							
■ Fiber characteristics		see fiber datasheet OC-F							
■ Outside diameter [mm]		1.2	1.4	1.6	1.8	2.0	2.4	2.8	3.0
■ Buffer size [mm]		0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9
■ Tensile performance [N]		70*	70*	70*	70*	70*	100*	100*	100*
■ Crush (short term) [N]		300*	300*	300*	300*	300*	500*	500*	500*
■ Crush (long term) [N]		100*	100*	100*	100*	100*	200*	200*	200*
■ Weight [kg/km]		1.3	1.7	2.1	2.5	3.9	5.8	6.8	8.0
■ Min. bend radius for installation [mm]		30	30	30	30	30	35	40	40
■ Instalation and assembly temperature [°C]		from -5 to +50							
■ Operating temperature [°C]		from -5 to +60							
■ Transport and storage temperature [°C]		from -25 to +70							

* - Accordance with the requirements of EN IEC 60794-2-50 2020

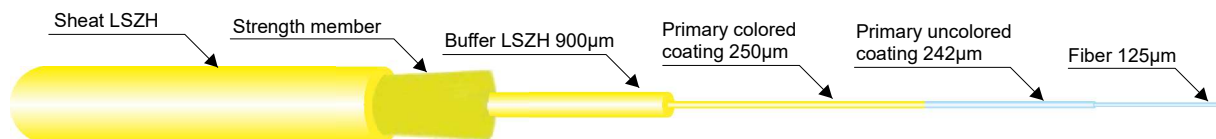
▣ Packing

	Simplex	1.2	1.4	1.6	1.8	2.0	2.4	2.8	3.0
■ Cable type	Simplex	1.2	1.4	1.6	1.8	2.0	2.4	2.8	3.0
■ Length on drum [km]		6	5	5	4	4	3	2	2
■ Drum dimension		Flange diameter				390 mm			
		Barrel diameter				200 mm			
		Inner width				280 mm			
		Outer width				300 mm			
		Bore diameter				56 mm			

Simplex OC-S

Fiber optic cable

▣ Cable construction



▣ Inscription on the cable

OPTICAB I-VCZN3H 1X1E 9/125 G652D LSZH 00001M

(example)

▣ Label on the drum contain

Tape of cable
Length

▣ Warranty

V-Protect warrants that the simplex cable meets this specification. If the simplex cables fail to meet this specification, V-Protect agrees to replace such failed simplex cables. V-Protect makes no warranty, however, as to the results to be obtained from the use of these simplex cables. In no event shall V-Protect be liable for removal or installation costs or other indirect or consequential damages.

▣ Order code

OC-Sx-x-x

Cable color

01 - red, **02** - green, **03** - blue, **04** - yellow, **05** - white, **06** - grey, **07** - brown, **08** - violet, **09** - aqua, **10** - black, **11** - orange, **12** - pink, **13** - lime green
14 - erika violet

Fiber type

2D - G.652.D, **A1** - G.657.A1, **A2** - G.657.A2, **B3** - G.657.B3, **61** - OM1 62,5/125, **52** - OM2 50/125, **53** - OM3 50/125, **54** - OM4 50/125, **55** - OM5 50/125

Cable diameter

12 - ø1,2mm, **14** - ø1,4mm, **16** - ø1,6mm, **18** - ø1,8mm
20 - ø2,0mm, **24** - ø2,4mm, **28** - ø2,8mm, **30** - ø3,0mm

Standard colours:

Fiber type	G.652.D	G.657.A1,A2,B3	OM1 62,5/125	OM2 50/125	OM3 50/125	OM4 50/125	OM5 50/125
Cable colour	Yellow	White	Blue	Orange	Aqua	Erika violet	Lime green
RAL	1021	9010	5015	2003	6027	4003	6038