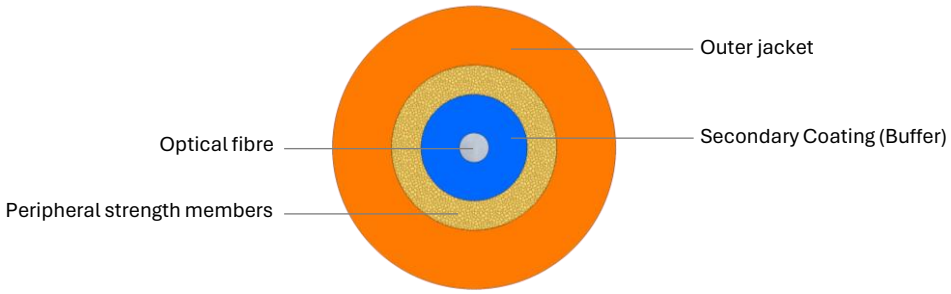
Simplex Cable

For general purpose, e.g. patch cords, office LAN connections or point-to-point interconnection



Picture not to scale. For illustration only.

Fibre Type	G.652.D, G.657.A1, G.657.A2, G.657.B3, G.655, OM1, OM2, OM3, OM4, OM5
Fibre colour	Natural
Buffer material	Halogen-free flame-retardant thermoplastic compound or UV curable resin
Buffer colour	Blue
Peripheral strength members	Aramid yarns
Outer jacket material	Cable no. 1 – 7 – Halogen-free flame-retardant thermoplastic compound Cable no. 8 – 9 – UV resistant, Flame-retardant Thermoplastic Polyurethane

Current number	1	2	3	4	5	6	7	8	9	
Number of fibres	1	1	1	1	1	1	1	1	1	
Buffer diameter (mm)	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.9	
Cable outer diameter (mm)	1.6	1.7	1.8	1.8	2.0	2.4	2.8	2.4	2.8	
Calc. cable weight (kg/km)	2.4	3.0	3.3	3.2	3.8	6.4	7.8	5.2	5.6	
Short-term tensile strength (N)	100	100	100	100	100	150	150	200	200	IEC 60794-1-101
Short-term crush resistance (N/100 mm)	1000	1000	1000	1000	1000	800	800	800	1000	IEC 60794-1-103
Max. impact loading (Nm)	1									IEC 60794-1-104
Min. bend radius not load (OD)	10									IEC 60794-1-111
Min. bend radius load (OD)	15									IEC 60794-1-111
Operating temperature range (°C)	Tight buffer (cables 1-7)	-20 to +60								IEC 60794-1-201
	Free buffer (cables 1-7)	- 5 to +50								IEC 60794-1-201
	Cable no.8	-40 to +70								IEC 60794-1-201
	Cable no.9	-45 to +70								IEC 60794-1-201
Storage temperature range (°C)	Cables no.1-7	-20 to +60								IEC 60794-1-201
	Cable no. 8	-40 to +70								IEC 60794-1-201
	Cable no.9	-45 to +70								IEC 60794-1-201
Water tightness (1 m / 24 hrs.)	No leakage									IEC 60794-1-205
Class of fire reaction	Fca									EN 50575, EN 13501-6

Current number	Cable Code (Ordering Code)	Delivery length	Packing
1	OPK-I-SX-1(1x1.6)T6AH-yy-zz	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
2	OPK-I-SX-1(1x1.7)x9AH-yy-zz	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
3	OPK-I-SX-1(1x1.8)x9AH-yy-zz	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
4	OPK-I-SX-1(1x1.8)A9AH-yy-zz	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
5	OPK-I-SX-1(1x2.0)x9AH-yy-zz	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
6	OPK-I-SX-1(1x2.4)x9AH-yy-zz	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
7	OPK-I-SX-1(1x2.8)x9AH-yy-zz	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
8	OPK-U-SXTAC-1(1x2.4)A9AU-yy-zz	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
9	OPK-U-SXTAC-1(1x2.8)N9AU-yy-zz	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum

x – buffer stripability , yy – fibre type , zz – jacket color (see Cable code datasheet)

Print legend: Manufacturer - Cable type – lot number- length marking per 1 m (customer print legend available on request)

Note: Cable marking using the Hot-foil method is done in white. If overprinting is necessary, the color of the text is yellow.

OPTOKON Kable Co., Ltd., s.r.o. reserves the right to make changes in this specification without prior notice.