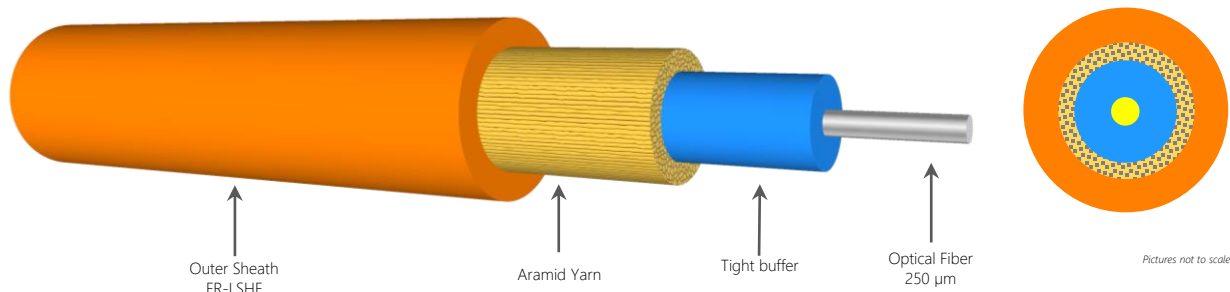


Simplex Cable

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



CABLE DESCRIPTION

Optical fibers: SM fibers 1 fiber 0,9 or 0,6 mm tight buffer
 Strength members: Aramid Yarn
 Outer Sheath: Thermoplastic FR-LSHF compound according to BS 7878:7 and DIN VDE 0207, part 24, type HM2

Fiber count: 1
 Fiber Type: G.652., DG.657.A1, G.657.A2, G.657.B3., G.655, OM1, OM2, OM2+, OM3, OM4, OM5
 Fiber color: Natural
 Buffer material: Thermoplastic or UV curable resin
 Buffer: Blue
 Sheath color: OS1/OS2 – Yellow, NZDF – Blue, OM1 – Orange, OM2 – Orange, OM3, OM4 – Turquoise, OM5 – Lime Green

PROPERTIES

Max. attenuation SMF @1310nm	0,4	[dB/km]
Max. attenuation SMF @1550nm	0,3	[dB/km]
Max. attenuation MMF @850nm	3,5	[dB/km]
Max. attenuation MMF @1300nm	1,5	[dB/km]
Tensile strength (EN 60794-1-2-E1)	1,6 mm: 120 1,8-2,8 mm: 180	[N]
Max. compressive loading (EN 60794-1-2-E3)	500	[N]
Max. impact loading (EN 60794-1-2-E4)	1	[N.m]
Min. bend radius not load (EN 60794-1-2-E11)	10	[mm]
Min. bend radius load (EN 60794-1-2-E11)	15	[mm]
Storage temperature range (EN 60794-1-22-F1)	-20 to +60	[°C]
Operating temperature range	tight buffer: -20 to +60 free buffer: -5 to +50	[°C]
Installation temperature range	-5 to +50	[°C]
Class if fire reaction (EN 13501-6)	F _{ca}	
Marking Method	Ink-Jet	
Print color	Black	
Print legend	OPK –cable type – lot number- length marking per 1 m (customer print legend available on request)	
Delivery length	2100 m or 4100 m with accuracy ± 5% on plywood reel	

Cable Code (Ordering Code)	Fiber count	Tight buffer	Cable outer diameter	Calculated weight
OPK-I-SX-1(1×1,6)×6AH-yy-zz	1	0,6 mm	1,6 mm	2,5 kg/km
OPK-I-SX-1(1×1,6)×9AH-yy-zz	1	0,9 mm	1,6 mm	2,7 kg/km
OPK-I-SX-1(1×1,7)×9AH-yy-zz	1	0,9 mm	1,7 mm	3,2 kg/km
OPK-I-SX-1(1×1,8)×9AH-yy-zz	1	0,9 mm	1,8 mm	3,5 kg/km
OPK-I-SX-1(1×2,0)×9AH-yy-zz	1	0,9 mm	2,0 mm	4,0 kg/km
OPK-I-SX-1(1×2,4)×9AH-yy-zz	1	0,9 mm	2,4 mm	6,5 kg/km
OPK-I-SX-1(1×2,8)×9AH-yy-zz	1	0,9 mm	2,8 mm	8,0 kg/km

x – buffer type, yy – Jacket color, zz – fiber type (see Cable code datasheet)