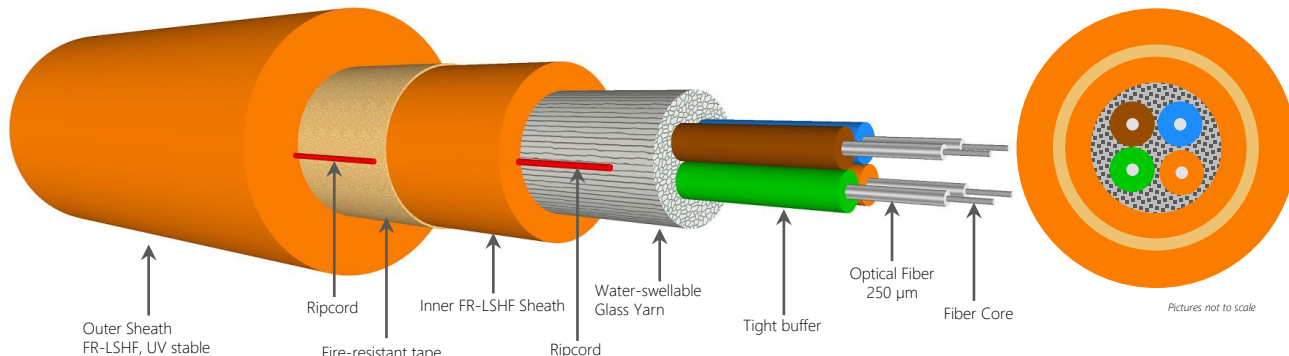


## Fire resistant cable

The cable is suitable for indoor or outdoor use. Cable is possible installing as connection between building or distribution boxes in ducts or as riser cable in places where is required functionality in the fire



### CABLE DESCRIPTION

Optical fibers: SM fibers or MM fibers, up to 12 fibers 900 μm tight buffers. More than 12 fibers Compact Fiber Units 900 μm with 4 fibers in each unit  
 Strength members: Water-swellaible Glass Yarn  
 Ripcord: The ripcord is located under the sheath for easier removal of the sheath  
 Inner Sheath: Thermoplastic FR-LSHF compound according to BS 7878:7 and DIN VDE 0207, part 24, type HM2  
 Fire Barrier: The tight buffered fibers are wrapped with fire blocking fiber glass yarns.  
 Ripcord: The ripcord is located under the sheath for easier removal of the sheath  
 Outer Sheath: UV stabilized Thermoplastic FR-LSHF compound according to BS 7878:7 and DIN VDE 0207, part 24, type HM2

Fiber count: 2, 4, 6, 8, 12, 16, 24, 48  
 Fiber Type: G.657.A1, G.657.A2, G.657.B3  
 Fiber color: Tight buffer – Natural, Compact Fiber Unit – Blue, Orange, Green, Brown  
 Buffer/CFU color: Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua  
 Sheath color: Orange (other colors available on request)

Cable Code (Ordering Code)	Fiber count	Construction	Cable outer diameter	Sheath thickness	Calculated weight
OPK-U-DSTF-2(2x0,9)A9GHMH-xx-yy	2	2×0,9	10,0±0,4 mm	2,0 mm	107 kg/km
OPK-U-DSTF-4(4x0,9)A9GHMH-xx-yy	4	4×0,9	10,0±0,4 mm	2,0 mm	108 kg/km
OPK-U-DSTF-6(6x0,9)A9GHMH-xx-yy	6	6×0,9	10,0±0,4 mm	2,0 mm	110 kg/km
OPK-U-DSTF-8(8x0,9)A9GHMH-xx-yy	8	8×0,9	11,0±0,4 mm	2,0 mm	112 kg/km
OPK-U-DSTF-12(12x0,9)A9GHMH-xx-yy	12	12×0,9	12,1±0,4 mm	2,0 mm	151 kg/km
OPK-U-DSTF-16(4x0,9)CFUGHMH-xx-yy	16	4×0,9	10,0±0,4 mm	2,0 mm	110 kg/km
OPK-U-DSTF-24(6x0,9)CFUGHMH-xx-yy	24	6×0,9	10,0±0,4 mm	2,0 mm	113 kg/km
OPK-U-DSTF-48(12x0,9)CFUGHMH-xx-yy	48	12×0,9	12,1±0,4 mm	2,0 mm	158 kg/km

xx – Jacket color, yy – fiber type (see Cable code datasheet)

### Properties

Max. attenuation SMF @1310nm	0,4	[dB/km]
Max. attenuation SMF @1550nm	0,3	[dB/km]
Max. attenuation SMF @1625nm	0,4	[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)	180	[N]
Max. compressive loading (EN 60794-1-2-E3)	1500	[N]
Min. bend radius not load (EN 60794-1-2-E11)	15	[mm]
Min. bend radius load (EN 60794-1-2-E11)	25	[mm]
Storage temperature range (EN 60794-1-22-F1)	-40 to +80	[°C]
Operating temperature range	-40 to +80	[°C]
Installation temperature range	-5 to +50	[°C]
Class if fire reaction (EN 13501-6)	E <sub>ca</sub>	
Circuit integrity cable systems under fire conditions	P90-R	
Circuit Integrity (EN 60331)	Pass	
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 with accuracy ±5% on plywood reel	