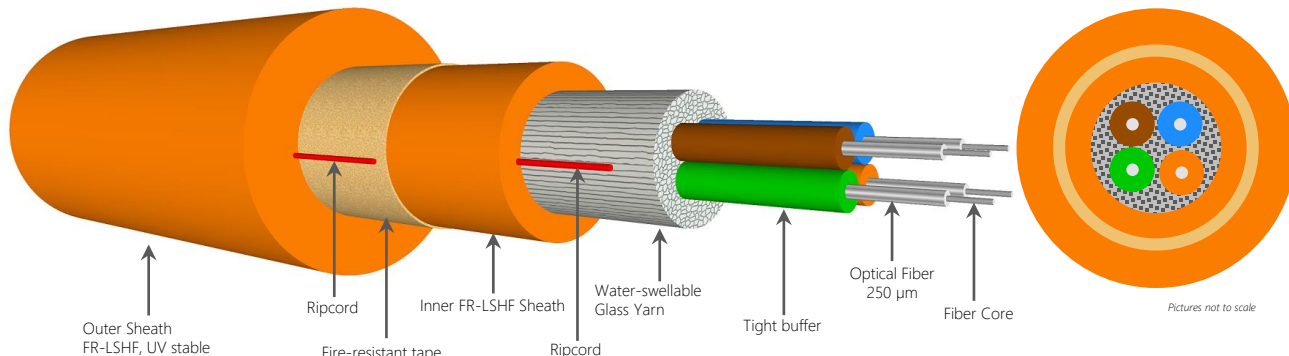


Fire resistant cable

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	Tensile strength	Calculated weight
OPK-U-DSTF-2(2x0,9)A9GHMH-xx-yy	2	2×0,9	10,0±0,4 mm	2,0 mm	1000 N	107 kg/km
OPK-U-DSTF-4(4x0,9)A9GHMH-xx-yy	4	4×0,9	10,0±0,4 mm	2,0 mm	1000 N	108 kg/km
OPK-U-DSTF-6(6x0,9)A9GHMH-xx-yy	6	6×0,9	10,0±0,4 mm	2,0 mm	1000 N	110 kg/km
OPK-U-DSTF-8(8x0,9)A9GHMH-xx-yy	8	8×0,9	11,0±0,4 mm	2,0 mm	1300 N	112 kg/km
OPK-U-DSTF-12(12x0,9)A9GHMH-xx-yy	12	12×0,9	12,1±0,4 mm	2,0 mm	2000 N	151 kg/km
OPK-U-DSTF-16(4x0,9)CFUGHMH-xx-yy	16	4×0,9	10,0±0,4 mm	2,0 mm	1000 N	110 kg/km
OPK-U-DSTF-24(6x0,9)CFUGHMH-xx-yy	24	6×0,9	10,0±0,4 mm	2,0 mm	1000 N	113 kg/km
OPK-U-DSTF-48(12x0,9)CFUGHMH-xx-yy	48	12×0,9	12,1±0,4 mm	2,0 mm	2000 N	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]
 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_{ca}
 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