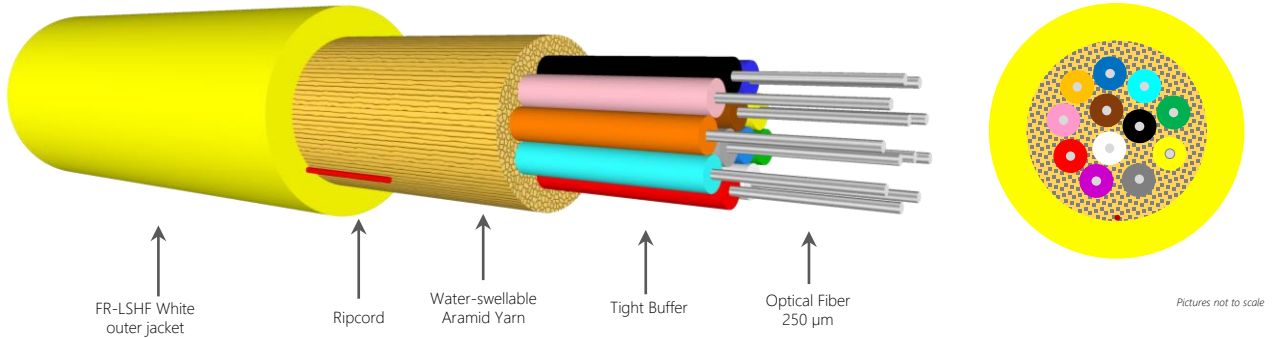


Indoor/Outdoor Distribution Cable

For inter-building and intra -building backbone cabling



Cable description

Optical fibers: MM or SM fiber 250 µm in 900 µm tight buffer
 Strength members: Water-swellable Aramid Yarn
 Outer Sheath: UV stabilized Thermoplastic FR-LSHF compound according to 7655:6.1 LTS 1 and DIN VDE 0207, part 24, type HM2

Fiber count: 2, 4, 6, 8, 12
 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 color: Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua
 Sheath color: OS1/OS2 – Yellow, NZDF – Blue, OM1 – Orange, OM2 – Orange, OM3, OM4 – Turquoise, OM5 – Lime Green

Cable Code (Ordering Code)	Fiber count	Construction	Cable outer diameter	Sheath thickness	Calculated weight
OPK-U-DSTS-2(2x0,9)x9AH-yy-zz	2	2×0,9	4,6 mm	1,0 mm	20 kg/km
OPK-U-DSTS-4(4x0,9)x9AH-yy-zz	4	4×0,9	5,5 mm	1,0 mm	27 kg/km
OPK-U-DSTS-6(6x0,9)x9AH-yy-zz	6	6×0,9	5,9 mm	1,0 mm	31 kg/km
OPK-U-DSTS-8(8x0,9)x9AH-yy-zz	8	8×0,9	6,2 mm	1,0 mm	34 kg/km
OPK-U-DSTS-12(12x0,9)x9AH-yy-zz	12	12×0,9	6,8 mm	1,0 mm	39 kg/km

x – stripability, yy – Jacket color, zz – 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]
Tensile strength	(EN 60794-1-2-E1)	1100	[N]
Max. compressive loading	(EN 60794-1-2-E3)	1500	[N]
Max. impact loading	(EN 60794-1-2-E4)	5	[J]
Min. bend radius not load	(EN 60794-1-2-E11)	10	[OD]
Min. bend radius load	(EN 60794-1-2-E11)	55	[OD]
Storage temperature range	(EN 60794-1-22-F1)	-40 to +70	[°C]
Operating temperature range	tight buffer	(EN 60794-1-22-F1)	-20 to +60 [°C]
	free buffer	(EN 60794-1-22-F1)	-5 to +50 [°C]
Installation temperature range	(EN 60794-1-22-F1)	-5 to +50	[°C]
Class of 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 ±5% on plywood reel	