OPTOKON KABLE
MEMBER OF OPTOKON GROUP

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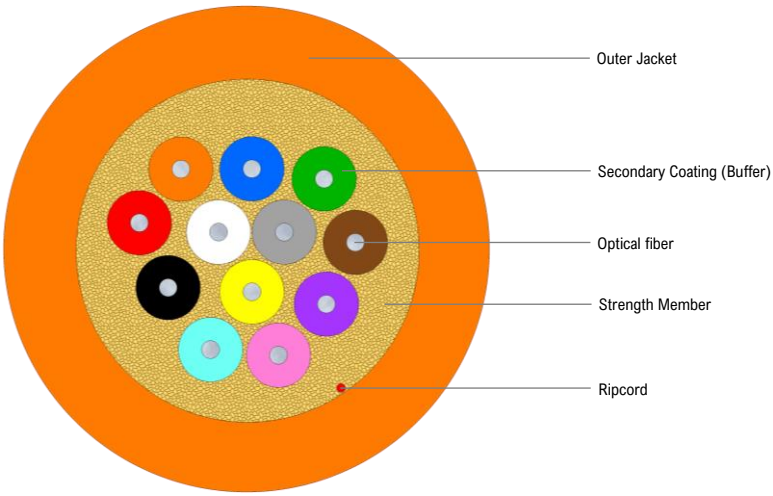
Universal Distribution Cable

Indoor / Outdoor Cable for inter-building and intra-building backbone cabling



Fiber count	Up to 12
Fiber Type	G.652.D, G.657.A1, G.657.A2, OM1, OM2, OM2+, OM3, OM4, OM5
Fiber color	Natural
Buffer color	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua
Buffer material	Thermoplastic FR-LSHF compound or UV curable resin
Buffer diameter	0,9 mm
Strength member	Water-swellable Aramid yarns
Outer jacket	UV resistant Thermoplastic FR-LSHF compound according to BS 7878:7 and DIN VDE 0207, part 24, type HM2
Outer Jacket thickness	1.0 mm
Outer Jacket thickness	see Color Codes specification
Ripcord	1x under outer jacket

Fibre count	Cable Code (Ordering Code)	Cable outer diameter	Cable Weight (calc.)
2	OPK-U-DSTS-2(2x0.9)x9AH-xx-yy	4.6 mm	20 kg/km
4	OPK-U-DSTS-4(4x0.9)x9AH-xx-yy	5.5 mm	27 kg/km
6	OPK-U-DSTS-6(6x0.9)x9AH-xx-yy	5.9 mm	31 kg/km
8	OPK-U-DSTS-8(8x0.9)x9AH-xx-yy	6.2 mm	34 kg/km
12	OPK-U-DSTS-12(12x0.9)x9AH-xx-yy	6.8 mm	41 kg/km

x – secondary coating stripability, yy – fiber type, zz – cable jacket color (see Cable code datasheet)

Maximum tensile loading	1100	[N]	EN 60794-1-21-E1
Max. compressive loading	1500	[N]	EN 60794-1-21-E3
Max. Impact loading	5	[Nm]	EN 60794-1-21-E4
Min. bend radius (not load)	10	[OD]	EN 60794-1-21-E11
Operating temperature range			
(T9 buffer type)	-20 to +60	[°C]	EN 60794-1-22-F1
(F9 buffer type)	-5 to +50	[°C]	EN 60794-1-22-F1
(A9 buffer type)	-40 to +70	[°C]	EN 60794-1-22-F1
Storage temperature range			
(T9 buffer type)	-20 to +60	[°C]	EN 60794-1-22-F1
(F9 buffer type)	-20 to +60	[°C]	EN 60794-1-22-F1
(A9 buffer type)	-40 to +70	[°C]	EN 60794-1-22-F1
Installation temperature range	0 to +50	[°C]	EN 60794-1-22-F1
Water tightness	No water detected on free end		EN 60794-1-22-F5
Class of fire reaction	F_{ca}		EN 13501-6

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

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