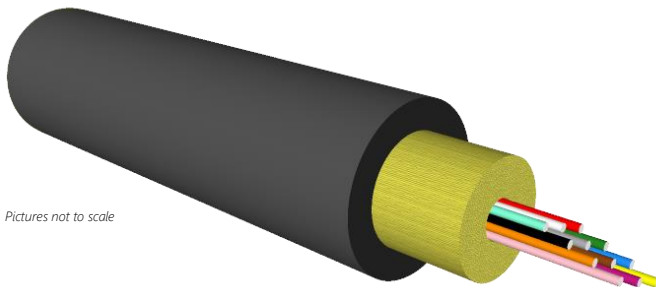


OPTOKON KABLE construction code:

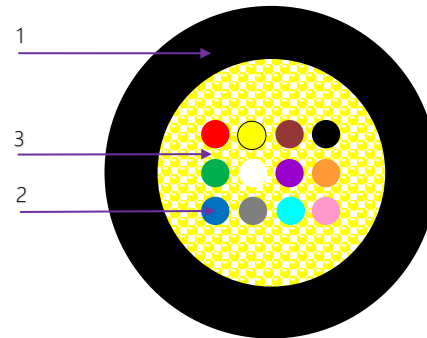
Aerial FTTx Universal Cable TPU

20/10/2017

- for indoor or outdoor application
- for plenum and riser FTTx application
- For aerial use



Pictures not to scale



1. UV stable Flame-retardant PUR outer jacket
2. Optical fiber
3. Aramid yarn

Cable dimensions

Fiber count	Cable OD (mm)	Jacket thickness (mm)	Calculated weight (kg/km)
2	3,0±0,2	0,8	8,5
4	3,0±0,2	0,8	9,0
8	3,2±0,2	0,8	10,5
12	3,2±0,2	0,8	12,0

Fiber color coding

Red, Green, Blue, Yellow, White, Grey, Brown, Violet, Aqua, Black, Orange, Pink

Jacket color

Black (other colors available on request)

Mechanical & environmental properties

Test	Value	Test method
Tensile strength	1000 N	EN 60974-1-2-E1
Max. Compressive loading	1000 N	EN 60974-1-2-E3
Min. bend radius	Not load Load	EN 60974-1-2-E11
	10 mm 15 mm	
Storage temperature range	-40 to +70°C	EN 60794-1-22-F1
Operating temperature range	-30 to +60°C	
Installation temperature range	-5 to +50°C	
Recommended Installation sag		1,5%
Thermal expansion coefficient		-2,5 ppm/K
Reaction to fire		F _{ca}

Marking:

Method: Ink-Jet

Print colour: White

 Print legend: OPK –cable type – lot number- (length marking per 1 m)
(customer print legend available on request)

Delivery length:

2000 m with accuracy ± 5% on plywood reel

1000 m with accuracy ± 5% on reel in a box

OPTOKON KABLE construction code:

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Ordering code

Fiber Type	Fiber Count	Ordering Code	Fiber Type	Fiber Count	Ordering Code
G.652.D/G.657.A1	2	OPK-U-DRP-2(2×0,25)FFAU-DA1-BK	G.652.D/G.657.A1	4	OPK-U-DRP-4(4×0,25)FFAU-DA1-BK
G.657.A1	2	OPK-U-DRP-2(2×0,25)FFAU-A1- BK	G.657.A1	4	OPK-U-DRP-4(4×0,25)FFAU-A1- BK
G.657.A2	2	OPK-U-DRP-2(2×0,25)FFAU-A2- BK	G.657.A2	4	OPK-U-DRP-4(4×0,25)FFAU-A2- BK
G.657.B3	2	OPK-U-DRP-2(2×0,25)FFAU-B3- BK	G.657.B3	4	OPK-U-DRP-4(4×0,25)FFAU-B3- BK
OM2	2	OPK-U-DRP-2(2×0,25)FFAU-OM2- BK	OM2	4	OPK-U-DRP-4(4×0,25)FFAU-OM2- BK
OM3	2	OPK-U-DRP-2(2×0,25)FFAU-OM3- BK	OM3	4	OPK-U-DRP-4(4×0,25)FFAU-OM3- BK
OM4	2	OPK-U-DRP-2(2×0,25)FFAU-OM4- BK	OM4	4	OPK-U-DRP-4(4×0,25)FFAU-OM4- BK
G.652.D/G.657.A1	8	OPK-U-DRP-8(8×0,25)FFAU-DA1-BK	G.652.D/G.657.A1	12	OPK-U-DRP-12(12×0,25)FFAU-DA1-BK
G.657.A1	8	OPK-U-DRP-8(8×0,25)FFAU-A1- BK	G.657.A1	12	OPK-U-DRP-12(12×0,25)FFAU-A1- BK
G.657.A2	8	OPK-U-DRP-8(8×0,25)FFAU-A2- BK	G.657.A2	12	OPK-U-DRP-12(12×0,25)FFAU-A2- BK
G.657.B3	8	OPK-U-DRP-8(8×0,25)FFAU-B3- BK	G.657.B3	12	OPK-U-DRP-12(12×0,25)FFAU-B3- BK
OM2	8	OPK-U-DRP-8(8×0,25)FFAU-OM2- BK	OM2	12	OPK-U-DRP-12(12×0,25)FFAU-OM2- BK
OM3	8	OPK-U-DRP-8(8×0,25)FFAU-OM3- BK	OM3	12	OPK-U-DRP-12(12×0,25)FFAU-OM3- BK
OM4	8	OPK-U-DRP-8(8×0,25)FFAU-OM4- BK	OM4	12	OPK-U-DRP-12(12×0,25)FFAU-OM4- BK

Loading conditions

SPAN (m)	INSTALLATION		NESC light			NESC medium			NESC heavy		
	sag	load	Horizontal sag	Vertical sag	load	Horizontal sag	Vertical sag	load	Horizontal sag	Vertical sag	load
20	0,3 m	14 N	0,55 m	0,28 m	143 N	0,55 m	0,68 m	324 N	0,58 m	0,95 m	543 N
40	0,6 m	28N	1,32 m	0,66 m	240 N	1,36 m	1,68 m	532 N	RQ	RQ	RQ
60	0,9 m	42 N	2,23 m	1,11 m	322 N	RQ	RQ	RQ	RQ	RQ	RQ
80	1,2 m	56 N	3,23 m	1,61 m	396 N	NP	NP	NP	NP	NP	NP
100	1,5 m	70 N	4,64 m	2,15 m	464 N	NP	NP	NP	NP	NP	NP
120	1,8 m	RQ	RQ	RQ	RQ	NP	NP	NP	NP	NP	NP
140	2,1 m	RQ	RQ	RQ	RQ	NP	NP	NP	NP	NP	NP

RQ - loading conditions on request
NP - not possible



Recommended clamp Telenco FTTH DROP CLAMP MINI-®, code 09942

