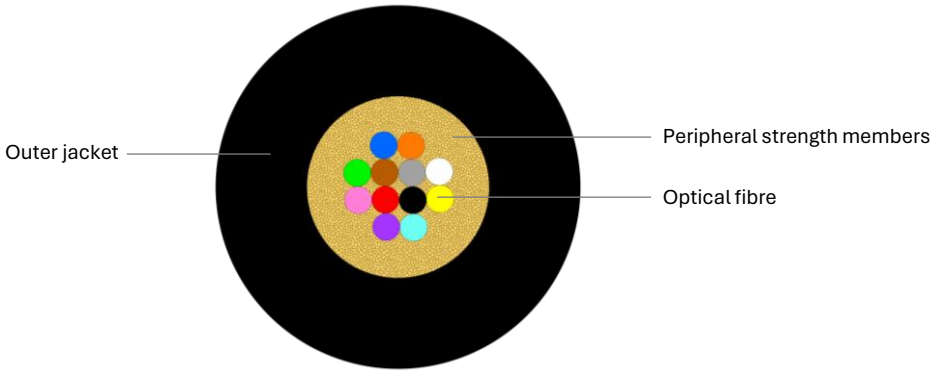
FTTx Universal TPU Drop Cable 2-12F

Universal cable for aerial use or plenum and riser FTTx application



Picture not to scale. For illustration only.

CABLE CONSTRUCTION

Fibre Type	G.657.A1, G.657.A2, OM2, OM3, OM4
Fibre colour	EIA/TIA-598A
Peripheral strength member	Water-swellable Aramid yarn
Outer jacket material	UV resistant, Flame-retardant Thermoplastic Polyurethane

ATTENUATION COEFFICIENT (dB / Km)

@	SMF (Typical / Max.)	NZDSF (Typical / Max.)	MMF (Typical / Max.)
1310 nm	0.35 / 0.40	—	—
1383 nm	—	—	—
1550 nm	0.25 / 0.40	—	—
1625 nm	—	—	—
850 nm	—	—	2.5 / 3.5
1300 nm	—	—	0.5 / 1.5

Further information is provided in the Optical Fibres Datasheet

TECHNICAL SPECIFICATIONS

Number of fibres	2	4	8	12	
Number of fibres in cable	2	4	8	12	
Nominal outer diameter (mm)	2.9	3.1	3.1	3.3	
Calc. cable weight (kg/km)	6.7	7.4	7.8	8.4	
Outer jacket thickness (mm)	0.6				
Tensile strength (N)	1000				IEC 60794-1-101
Short-term crush resistance (N/100 mm)	1000				IEC 60794-1-103
Max. impact loading (Nm)	2				IEC 60794-1-104
Min. bend radius not load (OD)	10				IEC 60794-1-111
Min. bend radius load (OD)	15				IEC 60794-1-111
Operating temperature range (°C)	-20 to +60				IEC 60794-1-201
Storage temperature range (°C)	-30 to +60				IEC 60794-1-201
Installation temperature range (°C)	-5 to +50				IEC 60794-1-201
Water tightness (1 m / 24 hrs.)	No leakage				IEC 60794-1-205
Class of fire reaction	Fca				EN 50575, EN 13501-6
Temperature coefficient (ppm/k)	-2.6				
Modulus (GPa)	77.3				
Recommended clamps	Type mini @(Manufacturer Telenco)				

ORDERING INFORMATION

Number of Fibers	Cable Code (Ordering Code)	Delivery length	Packing
2	OPK-U-DRP-2(2x0.25)FFAU-xx-yy	500 m, 1000 m, 2100 m ± 5%	Reel in a box, plywood reel
4	OPK-U-DRP-4(4x0.25) FFAU-xx-yy	500 m, 1000 m, 2100 m ± 5%	Reel in a box, plywood reel
8	OPK-U-DRP-8(8x0.25) FFAU-xx-yy	500 m, 1000 m, 2100 m ± 5%	Reel in a box, plywood reel
12	OPK-U-DRP-12(12x0.25) FFAU-xx-yy	500 m, 1000 m, 2100 m ± 5%	Reel in a box, plywood reel

xx – fibre type (see Cable code datasheet), yy – cable jacket colour (see Cable code datasheet)

CABLE MARKING

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

Note: Cable marking using the Hot-foil method is done in white. If overprinting is necessary, the color of the text is yellow.

INSTALLATION INFORMATION

Installation Sag	Installation Tension	Load Level (NESC)	Maximum Span
1.5 %	61 N	Light	80 m
1.5 %	50 N	Medium	50 m
1.5 %	15 N	Heavy	20 m
3 %	34 N	Light	90 m
3 %	30 N	Medium	60 m
3 %	20 N	Heavy	30 m

Tested with Telenco Mini-@ and @46TW clamps

OPTOKON Kable Co., Ltd., s.r.o. reserves the right to make changes in this specification without prior notice.