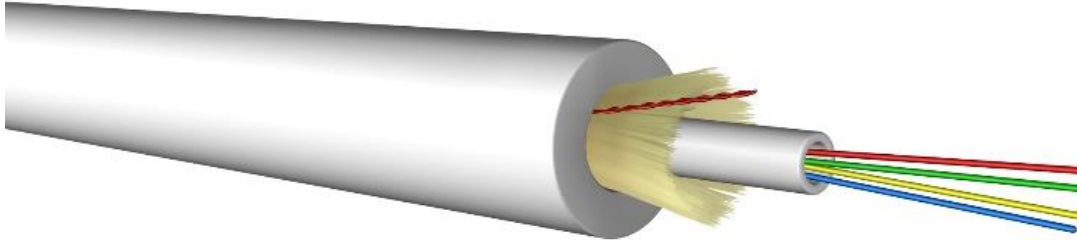


FTTH Idrop 250 Flex

UC Home FTTH Indoor Drop cable with 4 and 8 fibers, 500N, Class B_{2ca}-s1a-d1-a1, central tube cable. DIN/VDE: I-DH



B_{2ca}
CPR

C_{ca}
CPR

D_{ca}
CPR

E_{ca}
CPR

Application and installation

This dielectric optical cable is designed with very high flame-retardant performance and for indoor drop installation techniques.

Standards

IEC EN 60794-2-20

Flame resistance

EN 50399: Class B_{2ca} s1a-d1-a1, Class C_{ca}, Class D_{ca}, Class E_{ca}
LSHF-FR (FRNC): IEC 60331-1-2; IEC 60332-3-25; IEC 61034; IEC 60754-1; IEC 60754-2

Construction

Micromodule	4 or 8 fibres G.657.A2 protected with an easy-strippable tight buffer. Tube size 4 fibers 0.9mm and 8 fibres 1.1mm			
Fibre colour code	1	Red	5	Violet
	2	Green	6	White
	3	Blue	7	Orange
	4	Yellow	8	Grey
Peripheral Strength Member	Aramid yarns			
Cable Sheath	2.8 mm, Natural LSZH-FR sheath			
Sheath marking	UC home fibre idrop 250 Flex I-DH <fibre count> G.657A2 CPR B _{2ca} -s1,d1,a1 <Batch Number> <Meter mark>			

Physical properties

IEC 60794-1-21/22

Number of fibres	-	4	8
Nominal outer diameter	-	2,8mm	
Nominal weight	-	7,5	8,0
Tensile strength	E1B	500 N, 5 min	
Compressive strength (crush)	E3	500 N/100mm, 1 min 300 N/100mm, 5 min	

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Torsion	E7	2 m, 20 N, $\pm 180^\circ$, 10 cycles
Impact	E4	1 Nm, 3 impacts, $r=12.5\text{mm}$
Cable Kink	E10	Min. loop diameter: 20 x cable \emptyset
Cable bend	E11	$R = 10 \times \text{cable } \emptyset$, 6 turns, 10 cycles
Repeated bending	E6	$R = 20 \times \text{cable } \emptyset$, mass 4 kg, 25 cycles
Cable bend under tension	E18	25 cycles $R = 20 \times \text{cable } \emptyset$,
Cable bend @ low temperature (-10°C)	E11A	$R = 10 \times \text{cable } \emptyset$, 6 turns, 2 cycles
Cable flexing	E8	Pulley $R = 10 \times \text{cable } \emptyset$, weight=2kg, 100 cycles
Temperature range ($\Delta\alpha \leq 0.10 \text{ dB/km}$)	F1	$-10^\circ\text{C} \rightarrow +60^\circ\text{C}$

* values for single-mode fibres, all optical measurements performed at 1550 nm

Product codes – ordering information

Product Code	DoP Number*	Product Description	Fibre Count	Fibre Type	Fibre Data Sheet
60066043		UC home fibre idrop 250 I-DH 4 G.657A2	4	BendBright G.657.A2	C48
60066124		UC home fibre idrop 250 I-DH 8 G.657A2	8	BendBright G.657.A2	C48

*DoP Numbers are per product code and any DoP number proves CPR approval for the cable. DoP files can be downloaded from the website: www.prysmiangroup.com/cpr

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