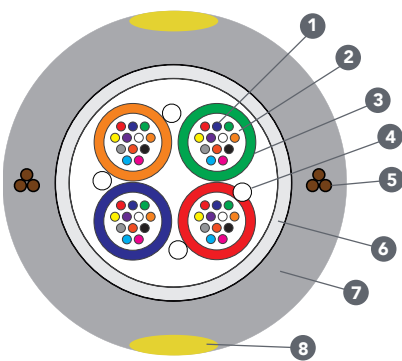


ULTRA LIGHT WEIGHT CABLE

12 TO 96FO



LEGEND	
1	Fibre
2	Filling Gel
3	Micromodule
4	Water Swellable Yarn
5	Brass Coated Steel Wires
6	Water Swellable Tape
7	Outer Sheath
8	Stripe Marking

Super lightweight and robust, the Ultra-lightweight cable is designed for aerial deployment across access fibre networks. BT approved; this cable conforms to the standard 7mm diameter as well as having a breaking tensile force of less than 2000n for maximum security. The cable combines low loss, bend insensitive G.657. A1 fibres with longitudinal water swellable elements to eliminate water ingress.

PN	MODEL
F1153-012-0001	ULW Aerial Cable 12FO Anti-Rodent
F1153-024-0001	ULW Aerial Cable 24FO Anti-Rodent
F1153-036-0001	ULW Aerial Cable 36FO Anti-Rodent
F1153-048-0001	ULW Aerial Cable 48FO Anti-Rodent
F1153-096-0001	ULW Aerial Cable 96FO Anti-Rodent

FEATURES & BENEFITS

- Ultralight and compact design
- PIA compatible
- High mechanical performance which can be delivered preterminated
- Integrated in a comprehensive FTTP solution including Telenco® aerial and façade hardware and eline® transition boxes

CABLE CONSTRUCTION

Parameter	Structure/Layout/Material
Fibre type	Compliant with ITU G657A1 recommendations
Fibre Count	1 to 48FO
Number of modules	1, 2 or 4
Outer sheath	Cable diameter: 7.0 ± 0.2mm Material: HDPE
Nominal cable weight	40Kg/km(for 48FO)
Cable reinforcement	Brass coated steel wire

CABLE MECHANICAL CHARACTERISTICS

Tensile breaking load	≤19000N		
Tensile Strength	>1250N		IEC-60794-1-21-E1
Crush Resistance	2000N/100mm		IEC-60794-1-21-E3
Impact Strength	10Nm		IEC-60794-1-21-E4
Minimum bending radius	12D		IEC-60794-1-21-E11
Water penetration	1m water head, 3m sample, 24 hours		IEC-60794-1-21-F5
Voltage Test	11kV		If installed along power line minimum vertical distance of 1.8m needs to be maintained
Resistance to wind/ice	Cable will withstand 97kph wind, no ice, 0kph wind + 5mm ice, without appreciable sag		
Environmental Performance	Installation	-20°C to +85°C	IEC-60794-1-22-F1
	Operation		
	Storage		

OPTICAL FIBRE CHARACTERISTICS

Fibre Type	G.657A1		
Attenuation	1310nm	≤ 0.34dB/km	
	1550nm	≤ 0.21dB/km	
	1625nm	≤ 0.25ps/nm.km	
Chromatic Dispersion	1290-1340nm	≤ 3.0ps/nm.km	
	1290-1360nm	≤ 7.0 ps/nm.km	
	1480-1580nm	≤ 20.0ps/nm.km	
	Max individual fibre	≤ 22.0ps/nm.km	
PMD	1310nm	≤ 22.0ps/nm.km	
MFD	1550nm	≤ 0.1ps/√km	
Core-cladding concentricity error	-	≤ 0.5µm	
Cladding Diameter	-	125 ± 1µm	
Resistance to wind/ice	-	≤ 0.7%	

TECHNICAL SPECIFICATIONS

Cable Length	2.0/4.0 km ± 5%
Packaging	Wooden drums or reels Cable end sealed Drum marking: Drum number, User name, Fibre count, Cable Length, Date of manufacture, Net weight, Gross weight
Cable Standards	IEC 60793, ANSI/ICEA S-87-640, Telcordia GR-20, ITU-T, RoHS, REACH