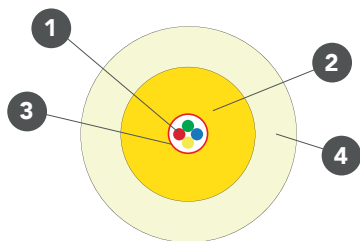
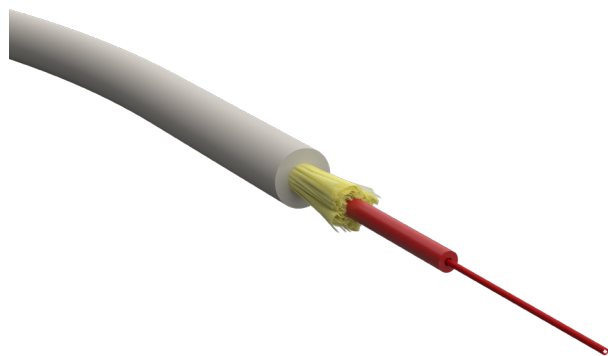


DROPTIC® LM028WH - 1, 2 & 4FO INDOOR DROP CABLE



LEGEND	
1	Fibre
2	Aramid
3	Micro-bundle
4	Outer sheath

Designed with a reduced 2.8mm diameter, this cable enables clean routing along skirting boards, door frames and ceilings, making it ideal for visible in-home deployments where aesthetics are critical. Its white LSZH-FR outer sheath (RAL 9010) ensures a low visual impact while maintaining compliance with European fire safety standards.

Built with G.657A2 bend-optimised singlemode fibre, the cable supports tight bend radii with minimal signal loss, allowing installation in confined spaces and around tight corners. The flexible construction and lightweight design make it suitable for both pulling and adhesive-based installation methods, improving efficiency on-site.

DESIGNATION	PACKG
DROPTIC® LM028WH-1FO-G.657A2-Cca	Coil 250m, 500m or 1000m drum*
DROPTIC® LM028WH-2FO-G.657A2-Cca	
DROPTIC® LM028WH-4FO-G.657A2-Cca	

*For other cable lengths, please contact us.

FEATURES & BENEFITS

- Reduced diameter for time-effective and discreet indoor installations in SDUs and MDUs
- Flexible construction enabling easy deployments
- Compatible with Field Mountable Connectors Ø3,0mm
- Integrated in a comprehensive FTTH solution including ELINE® transition box, customer terminal box (DTIO), fibre distribution box and optical telecommunications outlets

TECHNICAL CHARACTERISTICS

Fibre type	Fully compliant with G657A2 ITU recommendations		
Fibre cores	1FO	2FO	4FO
Buffer	900µm Micro bundle Material: LSZH - Color: Red		
Outer diameter	2,8mm		
Weight	13kg/km	13.7kg/km	15.1kg/km
Outer sheath material	LSZH - FR White RAL 9010		
Cable marking	DROPTIC - YY WW D LL XXX - LM028WH -xFO-G657A2-Cca - XXXXXm YY: Year WW: Week D: Week day number x: Number of fibres LL: Extrusion line number XXX: Drum number Pitch: 2m ±1% Ink color: Yellow		

MECHANICAL AND ENVIRONMENT PERFORMANCES

Mechanical resistance requirements:

Requirement	Compliance	Standard
Tensile strength	100N	IEC 60794-1-2 - Method E1
Impact	2Nm: reversible	IEC 60794-1-2 - Method E4
Cut-through resistance	60N	IEC 60794-1-2 - Method E12
Static bending	R = 12,5mm	IEC 60794-1-2 - Method E11
Kink	R = 5mm	IEC 60794-1-2 - Method E10
Torsion	20 cycles ; L = 1m ; load = 20N ; $\pm 180^\circ$; $\Delta\alpha \leq 0.1\text{dB}$	IEC 60794-1-2 - Method E7
Crush	Final level = 10 daN/cm ($\Delta\alpha \leq 0.1\text{dB}$) – reversibility checked at 20daN/cm	IEC 60794-1-2 - Method E3
Abrasion resistance of cable sheath	N = 500 cycles; F = 4N	IEC 60794-1-2 - Method E2A
Resistance of sheath holding	100N during 5 minutes	In house specification
Stiffness	Compliant	IEC 60794-1-2 - Method E17B

Environmental resistance requirements:

Requirement	Compliance	Standard
Temperature cycling	$\Delta\alpha \leq 0.1\text{dB/km}$ between -5°C à $+60^\circ\text{C}$ (1550nm) $\Delta\alpha$ reversible between -40°C à $+70^\circ\text{C}$ (1550nm)	IEC 60794-1-2 - Method F1
Thermal ageing	(14 days at 70°C) $\Delta\alpha \leq 0.2\text{dB/km}$ and reversible	In house specification
Fire resistance	CPR certified: Cca-S1,d0,a1	EN 50575
Resistance to UV radiation	Compliant	IEC 50289-4-17 - Method C
Chemical behaviour	Oil, Acids, bases and solvents resistant	IEC 60811-404 - IEC 60811-501