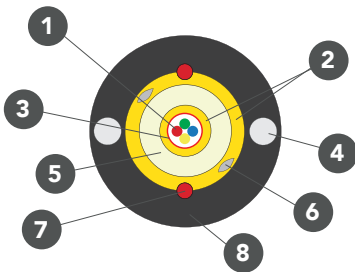


# DROPTIC® LM4 DOUBLE SHEATHED OPTICAL DROP CABLE



LEGEND	
1	Fibre
2	Aramid
3	Tube
4	FRP rod
5	Inner sheath
6	Swelling yarn
7	Ripcord
8	Outer sheath

DROPTIC® LM4 is a multi-purpose cable solution enabling simple, fast and reliable outdoor-indoor transitions.

With a rugged and watertight construction, the LM4 drop cable suits for aerial installations (spans up to 70m). The dimensions of the LM4 drop cable have been reduced for better wind behavior performances and a compatibility with duct installation on several hundred of meters.

Offering a double sheathed construction, the LM4 drop cable presents two ripcords enabling to strip off its HDPE outer sheath in a couple of seconds. Thanks to this operation a Low Smoke Zero Halogen Flame Retardant LM1L drop cable can be then used for indoor applications.

No splice is thus required to make the transition between the outdoor optical drop and the indoor one. The LM4 enables the transmission of optical signal from an outdoor distribution point to a telecommunications outlet without weighing down the optical budget.

PN	MODEL	PACKG
90532	DROPTIC® LM4 1FO Outdoor/indoor drop cable	500 meters drum*
90534	DROPTIC® LM4 2FO Outdoor/indoor drop cable	
90536	DROPTIC® LM4 4FO Outdoor/indoor drop cable	

\*For other cable lengths, please contact us.

## FEATURES & BENEFITS

- Reduced dimensions for improved FTTH roll-outs
- Enables simple, fast and reliable outdoor-indoor transitions
- One drop for aerial, façade, duct and indoor FTTH roll-outs
- Wide operating temperature range
- High mechanical performances
- Integrated in a comprehensive FTTH solution including TELENCO® aerial & façade hardware and ELINE® transition box, customer terminal box (DTIO), fibre distribution box and optical telecommunications outlets

## TECHNICAL CHARACTERISTICS

Fibre type	Compliant with G657A2 ITU recommendations		
Fibre cores	1FO	2FO	4FO
Buffer	900µm tube		
Outer diameter	5mm		
Weight	21kg/km	22kg/km	
Outer sheath material	HDPE Black RAL 9005		
Inner sheath material	LSZH – FR White RAL 9010		
Cable reinforcement	Aramid yarns, 2 FRP cores		
Cable marking	DROPTIC – LM4 xFO G657A2 – batch number – metric x is the fiber count Marking color: Yellow Pitch: every 2 meters		

Telenco reserves the right to modify present characteristics without previous notice.



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## PERFORMANCES

CHARACTERISTICS	STANDARDS	VALUES
Maximum Allowable Tension	IEC 60794-1-2 – Method E1	800N
Static bending	IEC 60794-1-2 - Method E11	R min. = 50mm
Kink	IEC 60794-1-2 - Method E10	R min. = 25mm
Crush	IEC 60794-1-2 - Method E3	200N/cm ( $\Delta\alpha \leq 0.1\text{dB}$ ) - reversibility at 300N/cm
Temperature Cycling	IEC 60794-1-2 - Method F1	$\Delta\alpha \leq 0.1\text{dB/km}$ , reversible between $-40^\circ\text{C}$ and $+70^\circ\text{C}$ (1550nm) (operation) $\Delta\alpha$ reversible between $-40^\circ\text{C}$ and $+70^\circ\text{C}$ (1550 nm) (storage)
Fire behaviour (inner cable)	EN 50575	Dca-S2, d1, a1

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