



Dielectric Indoor / Outdoor Cable

Round - Drop | Double sheath - PE / LSZH
SM G.657.A2 | 2-4 fibres

Fca / Dca

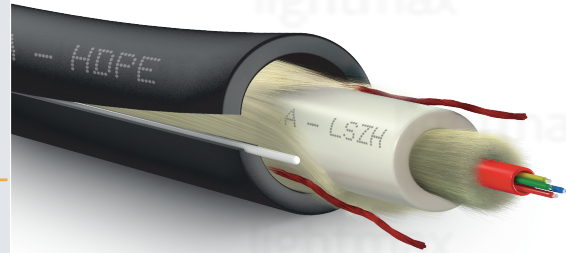
LightMax[®] presents its new double-sheathed drop cable for indoor/outdoor FTTH installations. It has a black HDPE outer sheath and a white LSZH inner sheath. It is also recommended for aerial deployments (spans of up to 50 metres). It is ideal for direct connection to the Optical Line Terminals inside dwells. This cable is available in 2 or 4 OF. Complies with the European Construction Products Regulation (CPR).

Features

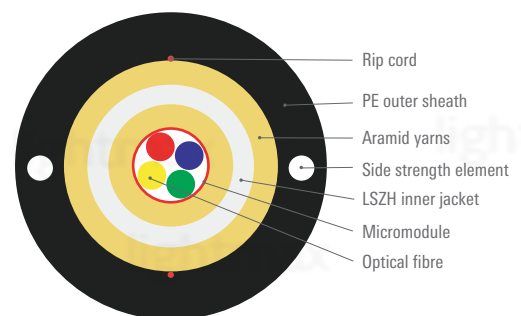
- G.657.A2 fibre
- Double sheath: PE outer and LSZH inner cover
- UV resistant
- Fibre availability: 2-4
- Fca / Dca classified
- NESC Light 50m Span (with an initial sag of 1.3%)

G.657.A2 OPTICAL FIBRE SPECIFICATIONS

Fibre type		Single mode
Core diameter		9 µm
MFD	@1310 nm	8.6 ± 0.4 µm
Cladding diameter		125 ± 1.0 µm
Cladding non circularity		≤ 1.0 %
Core/cladding concentricity error		≤ 0.5 µm
Zero dispersion wavelength		1300 nm ~ 1324 nm
Zero dispersion slope		≤ 0.092 ps/(nm ² .km)
Macrobend Loss	1 turn Ø15mm @1550 nm	≤ 0.50 dB
	1 turn Ø15mm @1625 nm	≤ 1.00 dB
Attenuation	@1310 nm	≤ 0.40 dB/km
	@1550 nm	≤ 0.30 dB/km
Proof stress		≥ 0.69 GPa
Standard		ITU-T
		G.657.A2



[Pictures only for reference purposes]



Applications

- Outdoor/indoor FTTH installations
- Telecommunications subscriber applications

CABLE SPECIFICATIONS

Cable type		Circular cross section drop
Fibre count		2 4
Cable structure		Loose tube - (250µm)
Outer / Inner diameters	mm	5.2 ± 0.3 / 2.4
Weight	kg/km	23
Sheath material		PE (outer) - LSZH (inner)
Strength elements		Aramid threads + FRP lateral elements
Tensile (max.)	N	600
Crush (max.)	N/10cm	800
Impact	J	2.5
Bending radius	mm	100 [Short term] 65 [Long term]
Temperature	°C	-5 ~ 50 [Installation] -20 ~ 70 [Operation]
Standards		IEC 60793-1 IEC 60793-2 IEC 60794-2 IEC 60794-4

Part numbers

LMCAIOA2RD002FM0252PHTPF

LMCAIOA2RD004FM0452PHTPF

Rel. 3-EN/JAN24