



**Introduction:**

Drop Cable is specifically designed for Fiber-to-the-Subscriber applications. It is a round, suited for self-supporting drop-type installations as well as in lashed or conduit builds. The cable design is available in unitube loose fibers. The design is lightweight and flexible and able to withstand normal installation forces of strain, crush, bend and twist.

Non-metallic strength members (FRP) are embedded in the HDPE sheath for protection and strength. Meets IEC 60794, EIA/TIA, ITU-T, EN 1870000 & Telecodia GR-20.

**Technical Specifications:**

PHYSICAL CHARACTERISTICS	
Fibre Type	G.652D
Fibre Count	2
Fibres per Tube	2
No. of Tubes	1
Tube Diameter (mm)	1.5 ± 0.1
Embedded Strength Member (mm)	2 x 0.5mm FRP embedded in outer sheath
Additional Strength Member	Glass Yarns
Outer Sheath Material	HDPE
Nominal cable diameter (mm)	4.5 ± 0.3
Cable Weight (kg/km)	20 ± 10%
MECHANICAL & ENVIRONMENTAL CHARACTERISTICS	
Tensile Strength (N) [Long Term/ Short Term]	250/400
Crush Resistance (N/100 mm)	1000
Impact Strength (N. m)	10
Torsion	±180°
Repeated Bend (@5kg load)	30 cycles
Bending Radius	20 x D (Dynamic) 10 x D (Static)
Temperature Range	-10°C to +60°C (Installation) -20°C to +70°C (Operation) -30°C to +70°C (Storage)
TRANSMISSION CHARACTERISTICS (CABLED FIBRE)	
Attenuation (dB/km)	@ 1310 nm: ≤ 0.36 @ 1550 nm: ≤ 0.23 @ 1625 nm: ≤ 0.26
Chromatic Dispersion (ps/nm.km)	@ 1285-1330 nm: ≤ 3.5 @ 1270-1340 nm: ≤ 5.3

## FIBER CABLE 2F SM UT ROUND DROP



**LANZONE**  
Power Of Technology

	@ 1550 nm: ≤ 18.0 @ 1625 nm: ≤ 22.0
<b>PMD @ 1310 and 1550 nm (ps/√km)</b>	≤ 0.30
<b>Zero Dispersion Slope (ps/nm<sup>2</sup>.km)</b>	≤ 0.092
<b>Zero Dispersion wavelength (nm)</b>	1300 to 1324 nm
<b>Cable Cut off Wavelength (nm)</b>	≤ 1260
<b>MFD (μm)</b>	8.8 to 9.8
<b>Clad dia. (μm)</b>	125 ± 1.0
<b>Clad non-circularity (%)</b>	≤ 1
<b>Core-Clad concentricity error (μm)</b>	≤ 0.6
<b>Coating dia. (μm)</b>	245 ± 10
<b>Coating-Cladding concentricity (μm)</b>	≤ 12.0

### Ordering information

**LZ-FS02UDS-RD** : LANZONE Fiber Optic Cable Single Mode 02 core Unitube design Unarmoured Round drop cable.