

SELF SUPPORTING FIBRE OPTIC DROP CABLE

One core flat drop cable is for Fibre To The Home (FTTH) application. The cable is constructed with two single mode fibres protected by dielectric strength member made of steel wire strength member and LSZH outer jacket for ultraviolet light protection and external use.

It is very light in construction and easy to install, generally used for connecting Main distribution frame to consolidation point at home, apartment or offices. Industry standard connectors can be used for direct termination because of standard 250µm fibre size.



- Steel Wire 1.2mm
- LSZH Sheath
- Strength Member (0.4mm Steel Wires)
- Fibre
- Strength Member (0.4mm Steel Wires)

COMPLIANCE

ITU-G657.A2 OS2
 LSZH: IEC 60332-1, IEC 60754, IEC 61034

MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Description	Specification
Cladding non-circularity	≤1.0%
Mode field diameter@1310m	8.6±0.4 µm
Cladding diameter	125±1 µm
Core concentricity error	≤0.6 µm
Primary coating diameter	250±15 µm
Coating-cladding concentricity error	≤12.5 µm
Fibre bend radius	≥4 m
Proof level	≥1.5 % strain
Fibre type	9/125 [G657.A2] OS2
Tensile load	80 N
Temperature	-10°C to 70°C

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TRANSMISSION CHARACTERISTICS

Characteristics	Condition	Value
Attenuation	@ 1310 nm	≤0.40 db/km
	@ 1550 nm	≤0.30 db/km
Macro bending loss	∅ 30 nm@10 turns at 1550 nm	≤0.50 db
Chromatic dispersion	@ 1310 nm	≤3.5 ps/nm.km
	@ 1550 nm	≤18 ps/nm.km
Cut-off wavelength		≤1260 nm
Zero dispersion slope		≤0.092 ps/nm ² .km
Zero dispersion wavelength		1300-1324 nm

ORDERING INFORMATION

Part Number	Description
3182-U00017A2CL	1 Core SM G.657A2 Self Supporting Fibre Optic Drop Cable LSZH

CL: BK(Black), OR(Orange), YL(Yellow), GN(Green), AQ(Aqua), RD(Red), BL(Blue)

PACKING INFORMATION

Part Number	Packing Length	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
3182-U00017A2CL	1000 x 1	Plywood Reel/CTN	21.0	22.0	360 x 360 x 255