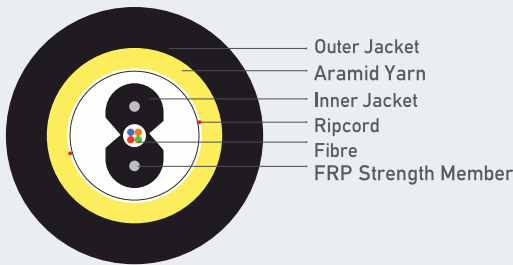
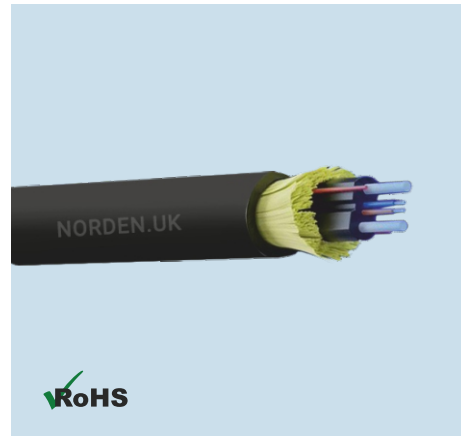


FRP STRENGTH FIBRE OPTIC CABLE IN/OUT

In/Out round drop cable is for fibre to the Home (FTTH) application. The cable is constructed with single-mode fibres protected by two strength members made of FRP and LSZH/PE outer jackets for ultraviolet light protection and external use.

It is very light in construction and easy to install, generally used for connecting the Main distribution frame to consolidation points at home, apartment, or offices. Industry-standard connectors can be used for direct termination.



COMPLIANCE

ITU-T G652.D/G657.A1/G657.A2 OS2
 ISO/IEC 11801 , ISO/IEC 24702
 ANSI/TIA/EIA 568.3-D
 ROHS compliant Directive 2002/95/EC
 LSZH: IEC-60332-1-2, IEC-60754-1/2, IEC-61034-1/2

CONSTRUCTION, MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Description	Specification
Fiber Count	1-4
Reinforcement	Aramid Yarn
Strength member diameter	0.45mm
Outer Cable Diameter	3.8 ± 0.1 mm
Inner Sheath	LSZH
Outer Sheath	Standard: LSZH, Optional: UV Resistant LSZH, PE
Fibre type	9/125 [G657.A1] OS2 9/125 [G657.A2] OS2
Tensile Strength	200N (Long Term) 400N (Short Term)
Crush Load (N/100mm)	800N (Long Term) 1000N (Short Term)
Bend Radius (mm)	10 D (Long Term) 20 D (Short Term)
Operating Temperature	-20°C to +85°C
Installation Temperature	-20°C to +85°C
Storage Temperature	-20°C to +85°C
Cable Weight (Approx)	13.60 Kg / km

FRP STRENGTH FIBRE OPTIC CABLE IN/OUT

TRANSMISSION CHARACTERISTICS

Characteristics	Condition	Value
Attenuation	@ 1310 nm	≤0.35 db/km
	@ 1550 nm	≤0.20 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
4028-U00027A1CL	02 Core SM OS2 G657.A1 FRP Strength IN/OUT Fibre Optic Drop Cable UV Resistant LSZH
4028-U00027A2CL	02 Core SM OS2 G657.A2 FRP Strength IN/OUT Fibre Optic Drop Cable UV Resistant LSZH

CL: BK(Black)