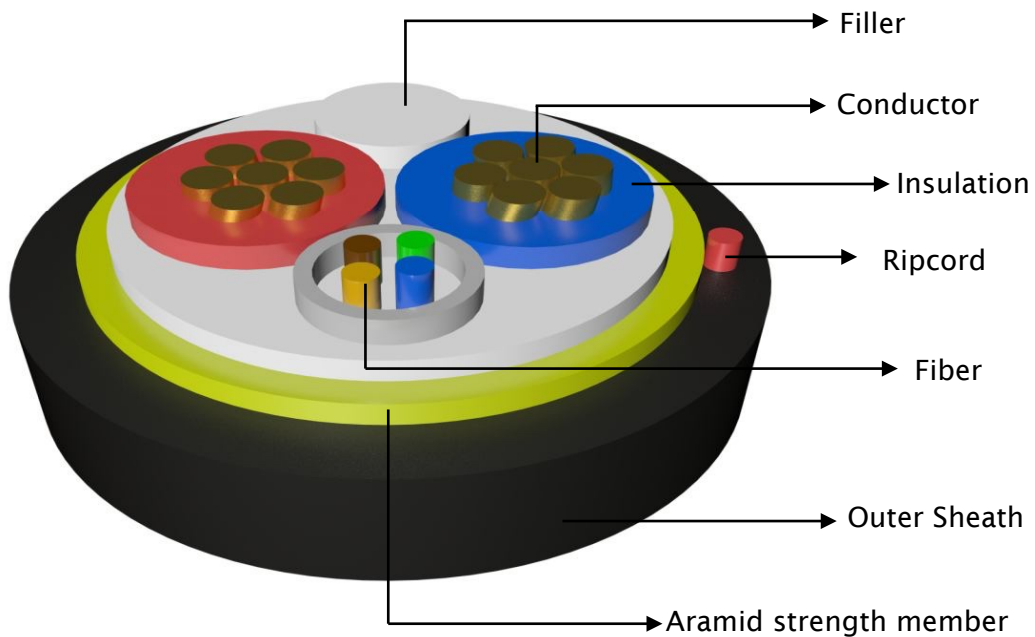




Highlights

- A wide range of hybrid cable combinations is available to cater to specific requirements, including options involving fiber, corded wires, and customized combinations
- Outstanding crush resistance and flexibility, enhancing their ease of use.
- Improve power management by reducing the need for coordination and maintenance in power supply systems.

Section Drawing



Structure and Description

Construction		Requirements	
Power Unit	Conductor	AWG	12AWG
		Materials	Cu
		Conductor type	Class5
	Insulation	Color	Blue/red
		Materials	LSZH
		Average thickness	3.2±0.2mm
Fiber Cable	Fiber Type		G.657.A2
	Number of Cores		4
	Fiber Color		Blue, orange, green, brown
	Tube Materials		PBT
	Tube Color		Natural
	Filler		Fiber Jelly
	Tube Diameter		2.0±0.1mm
Cable Filler	Material	Non-Absorbent Material	
Cable Shield	Material	PET	
Strength Member	Material	Aramid Yarn	
Ripcord	Material	Polyester	
Outer Sheath	Material	LSZH	
	Color	Black	
	Sheath Diameter	9.0±0.5mm	

FIBER CHARACTERISTICS

Fiber Type		G.657.A2
Mode Field Diameter	Wavelength	1310nm
	Range of Nominal Values	8.6µm -9.2µm
	Tolerance	±0.4 µm
Cladding Diameter	Nominal	125.0µm
	Tolerance	±0.7 µm
Core Concentricity Error		≤0.5µm
Cladding Non-Circularity		≤1%
Coating Diameter	Nominal	245µm
	Tolerance	±10µm
Coating-cladding Concentricity Error		≤12.5µm
Cut-off Wavelength		≤1260 nm
Attenuation 1310nm		≤0.38dB/km
Attenuation 1550nm		≤0.24dB/km
Points Discontinuity		0.1dB
PMD		≤0.2ps/km
Other Parameters Standard		ITU-T G.657

ELECTRICAL CHARACTERISTICS

Conductor Resistance at 20°C		≤6.2Ω/km
Finished Product Voltage Test		2.0kV/AC 1min
Flame Retardant Property		IEC 60332-1
Tensile Strength	Short Term	300N
	Long Term	150N
Crush	Short Term	1000N/100mm
	Long Term	300N/100mm
Environment		RoHS 2.0

APPLICATION ENVIRONMENT

Installation Temperature	-20°C to +70°C
Operating Temperature	-20°C to +70°C
Bending Radius	10 Diameter
Application	Indoor