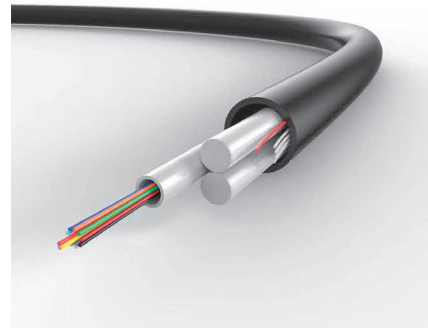
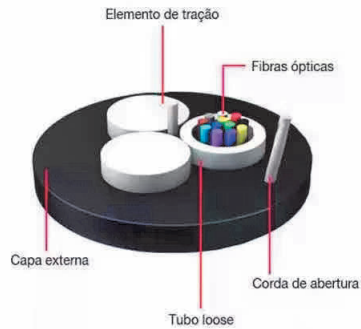


TECHNICAL SPECIFICATIONS

All-medium self-supporting lightweight optical cable – Mod. FAB-ASU

Structure cable



Optical Fiber Color

Fiber NO	1	2	3	4	5	6	7	8	9	10	11	12
Color	Blue	orange	Green	brown	Grey	white	Red	black	Yellow	Purple	Pink	Aqua
Fiber NO	1											
Color	white											

Structure

	unit	Parameter	Parameter
Optical Fiber G.652D	Number	6	12
FRP Stiffener diameter	±0.1mm	1.8	2.0
FRP Stiffener	Number	2	2
PBT Loose Tube diameter	±0.1mm	1.8	1.8
PBT Loose Tube	Number	1	1
Water Blocking yarn	D	2000	2000
Ripcord	Number	1	1

Outer sheath thickness	±0.1mm	1.0	1.0
Cable Diameter	±0.3mm	6.3	6.3
Cable weight	±5Kg/km	40	41

Product Mechanical performance parameter

	unit	Parameter
Span	m	100
Wind speed	km/hr	120
Thickness of the ice	mm	5
MAT	N	1500
RTS	N	3750
EDS	N	1000
Long Flattening Force	N/100mm	1000
Short Flattening Force	N/100mm	3000
Static Bending Radius	mm	20D
Dynamic Bending Radius	mm	30D
Storage Temperature	°C	-40 ~ 60
Install Temperature	°C	-10 ~ 60
Run Temperature	°C	-40 ~ 60

Optical characteristic parameter

Optical Fiber Type: G.652D		unit	Parameter
Attenuation Coefficient	@1310nm	dB/km	≤0.36
	@1383nm	dB/km	≤0.36
	@1550nm	dB/km	≤0.22
	@1625nm	dB/km	≤0.22
Effective Group Refractive Index	@1310nm		1.467
	@1550nm		1.467
Polarization Mode Dispersion		ps/√km	≤0.1
MFD 1310 nm		±0.3 um	9.0

MFD 1550 nm	$\pm 0.3 \text{ um}$	10.0
Cladding Diameter	$\pm 1.0 \text{ um}$	125.0
Cladding Non-Circularity	%	≤ 1.0
Core/Cladding Concentricity Error	um	≤ 0.8
Coating Diameter	um	242 ± 7
Core No-Circularity	%	≤ 6.0
Coating/Cladding Concentricity Error	um	≤ 12.0
Cable Cut-Off	nm	≤ 1260
Zero Dispersion Wave length	$\pm 10 \text{ nm}$	1312
Dispersion Slope	ps/(nm ² ·km)	0.092
PMD link design value	ps/ $\sqrt{\text{km}}$	≤ 0.05

Product standards:

ITU-T G652D; ANSI/ICEA S-87-640; EN 187105; IEC 60794-1; YD/T 901-2009