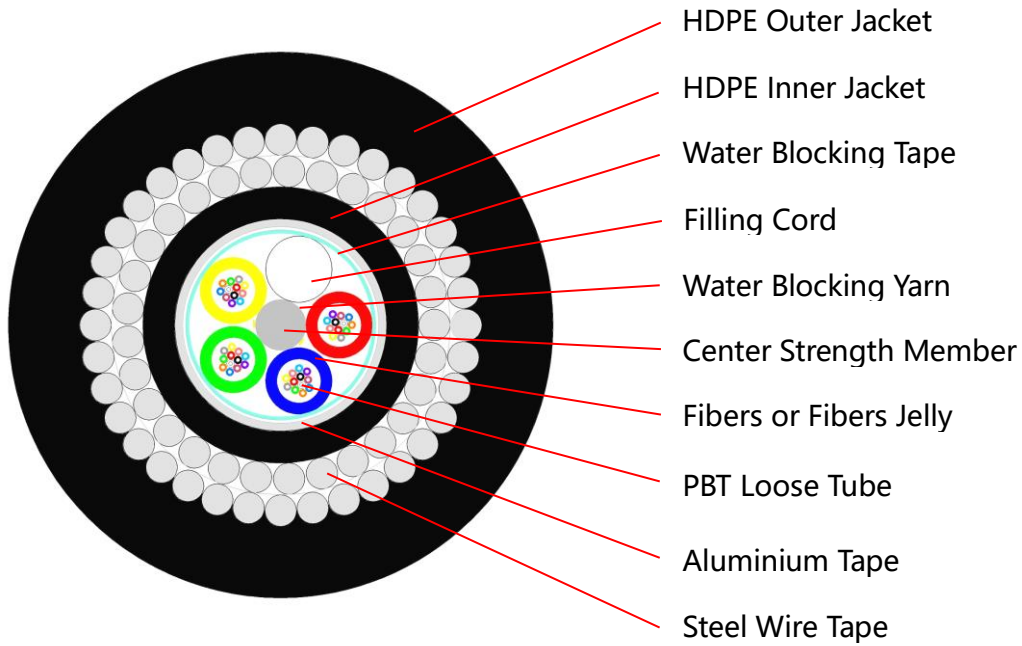


## Steel Wire Armoured Shallow Sea Optical Cable

Type: GOHTA333-24B1.3



### 1、 FIBER AND LOOSE BUFFER TUBE IDENTIFICATION

No.	1	2	3	4	5	6						
Fiber Colour	Blue	Orange	Green	Blown	Gray	White						
No.	1	2	3	4								
Tube Colour	Blue	Orange	Green	Blown								

### 3、 Technical Specification

Item	Unit	Parameter
Core Construction		1+5 Semi-Dry
G.652D		24
Center Strength Member	Materials	Steel Wire
	Diameter	±0.1mm
PBT Loose Tube	Water Blocking Yarn	2*2000D
	Number	4

	Diameter	±0.05mm	1.95
	Thickness	±0.05mm	0.3
Fiber Counts Per Tube		6	
Water Blocking Tape		mm	0.1*20
Aluminium Tpaе		mm	0.20*25
Inner Jacket	Materials		HDPE
	Thickness	±0.1mm	1.0
	Diameter	±0.2mm	8.9
钢丝铠装	Materials		Galvanized Steel Wire
	Diameter	±0.1mm	1.1
	Non-Woven Tape		0.3
外护套	Materials		HDPE
	Thickness	±0.1mm	2.1
	Diameter	±0.5mm	17.8
净重		±10Kg/km	570

#### 4、 Product Mechanical performance parameter

Project	unit	Parameter
Tensile strength (Long term)	N	20000
Tensile strength (Shore term)	N	50000
Flattening Force (Long term)	N/100mm	3000
Flattening Force (Short term)	N/100mm	9000
Static Bending Radius	mm	20D
Dynamic Bending Radius	mm	30D
Storage Temperature	°C	-40 ~ 70
Installation Temperature	°C	-10 ~ 60
Operating Temperature	°C	-40 ~ 70

## 5、 Optical Fibers

Project		unit	Parameter
Attenuation Coefficient	@1310nm	dB/km	≤0.35
	@1383nm	dB/km	≤0.34
	@1550nm	dB/km	≤0.22
	@1625nm	dB/km	≤0.22
Effective Group Refractive Index	@1310nm		1.4683
	@1550nm		1.4688
Polarization Mode Dispersion		ps/√km	≤0.1
MFD 1310 nm		um	9.2±0.3
MFD 1550 nm		um	10.4±0.3
Cladding Diameter		um	125.0±1.0
Cladding Non-Circularity		%	≤1.0
Core/Cladding Concentricity Error		um	≤0.8
Coating Diameter		um	245±10
coating No-Circularity		%	≤6.0
Coating/Cladding Concentricity Error		um	≤12.0
Cable Cut-Off		nm	≤1260
Zero Dispersion Wave length		nm	1312±10
Dispersion Slope		ps/(nm <sup>2</sup> ·km)	0.092
PMD link design value		ps/√km	≤0.1

产品标准 ITU-T G652D;YD/T 901-2009