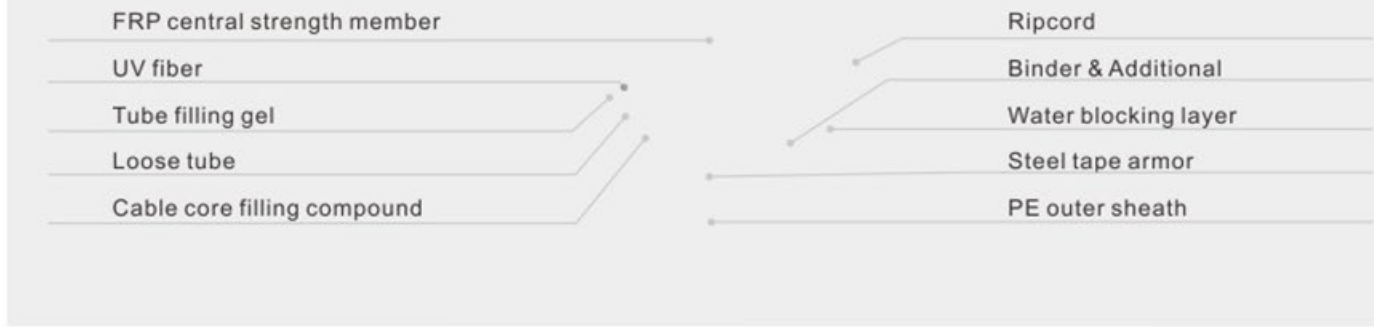
Double Steel Wire Armored Cable (DA)

Submarine cable Undersea laying and burial

- Stainless steel tube optical fiber unit
- HDPE inner sheath
- Steel wire armored
- Bitumen flooding
- PP yarn roving



Performance

Application

- Submarine cable communication system

Operating Temperature

- -20℃~+50℃

Features and Benefits

Central stainless steel tube	Good mechanical and thermal protection
Special filling gel in loose tubes	Reduce or eliminate reflection losses and prevent water penetration
Stainless steel tube is drawn and pulled out after welding	Fiber excess lengths are controlled precisely

Note:

- The cable is designed to protect the optical fiber from the harsh undersea environment for 25 years.
- Both repeaterless and repeateredtypes are available as lightweight (LW), lightweight-protected (LWP), single-armored (SA), double armored (DA) and rock armored (RA) cables.
- Operate up to water depths of 8,000m.

Technical Specification

Outer diameter (mm)	Weight in air (kg/m)	Weight in sea water (kg/m)	CBL (kN)	NTTS (kN)	NOTS (kN)	NPTS (kN)	Cable modulus (km)	Impact (N.m)	Crush (kN/100mm)	Operating temperature (℃)
34	3.3	2.3	400	240	160	120	17.7	400	40	-20~+50
Repeated bending (cycle)	Min allowable bend radius under zero tension (m)		Position stability factor (kg/mm.km)			Hydrodynamic coefficient (m/s)		Water depth (m)	Storage temperature (℃)	DC resistance at 20℃ (Ω/km)
30	1		69			1.05		500	-30~+60	≤6.0 (C01 core)