

## Cu/XLPE/CTS/PVC/SWA/PVC Cable

CTS: Copper Tape Screen

STA: Galvanized Steel Wire Armor



- a. **Conductor:** Aluminum, Copper, Class 2 according to IEC60228
- b. semiconductive conductor screen
- c. **Insulation:** XLPE (Cross-Linked Polyethylene)
- d. semiconductive insulation screen
- e. **metallic screen**(Copper wire or Copper tape Screen)
- f. PVC bedding
- g. **Armour:**
  - Single Core Cable: Aluminum Wire
  - Three Core Cable: **Galvanized steel wire armour**
- h. PVC outer sheath

**Sheath Color:** Black or Colors

### Steel Wire Armoured Cable Brief introduction

#### 1) Applications:

SWA Cable is used indoor or outdoor, in tunnel, cable furrow or pipe, to be laid underground, be applicable to the well, water inside and fall in the bad soil.

2) **Standard:** IEC60502.

**The maximum conductor operating temperature: 90**

Minimum bend radius of SWA cable not less than: 15D (1 core) , 12D (3 core)  
D is the actual diameter of **SWA cable**.

#### 4) Rated Voltage, Core Numbers & Nominal Cross-section Area

U <sub>0</sub> /U <sub>m</sub> (kv)	1st class								
	0.6/1	1.8/3	3.6/6	6/10	8.7/15	12/20	18/30	21/35	
	2nd class								
	1/1	3/3	6/6	6.35/11	12/15	18/20	-	26/35	
No. of Core									
1 Core	Section area(mm <sup>2</sup> )	1.5-800	25-800	25-800	25-800	35-800	50-800	50-800	50-800
2 Core	Section Area(mm <sup>2</sup> )	1.5-185	/	/	/	/	/	/	/

3 Core	) Section area(mm <sup>2</sup> )	1.5-400	25-400	25-400	25-400	35-400	50-400	50-400	50-400
4 Core	) Section Area(mm <sup>2</sup> )	2.5-400	25-400	/	/	/	/	/	/
5 Core	) Section area(mm <sup>2</sup> ) )	2.5-400	25-400	/	/	/	/	/	/

21/35      26/35      Test Voltage and Maximum Discharge Capacity

Rated Voltage (kV)

Test Voltage (kV)	36.33	44.98	
Max.Discharge Capacity (pC)	10	10	
Test Voltage (kV)	73.5	91	AC Voltage Test
Test Time (min)	5	5	