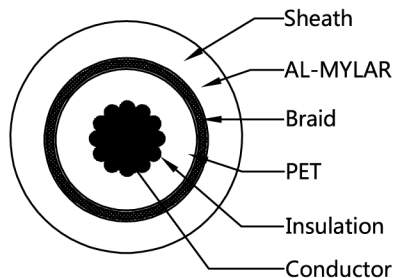


# Sales Drawing

## 一、 production picture



## 二、 Construction

### 1. Conductor

Material : Bare Copper

### 2. Insulation

Material : XLPE (Halogen Free)

Color : Orange

### 3. Tape

Material : PET

### 4. Braid

Material : Tinned Copper

Coverage: ≥85%

### 5. Tape

Material : AL-MYLAR

### 6. Jacket

Material : XLPE(Halogen Free)

Color : Orange

## 三、 Performance

1. Rating Voltage : AC600V/DC900V
2. Rating Temperature : -40℃ to +125℃, Comply With LV216
3. Short-term Aging : 150℃\*240h , Comply With LV216
4. Dielectric Voltage : 1KV/30min, 5KV/5min
5. Volume resistivity :  $10^9 \Omega \cdot \text{mm}$  , Comply With LV216
6. Flame Test : 30S Comply With LV216
7. Fluid Compatibility : Comply With LV216
8. Resistance to Ozone : 40℃/48h(55ppm), Comply With LV216
9. Min. Bend Radius : 4\*OD@<15mm ; 6\*OD@≥15mm
10. Environmental Requirements : RoHS and REACH Compliant

Marking:

Guangdong OMG Transmitting Technology Co.,Ltd. LV216 FHLR2XCB2X 600/900V \*\*mm<sup>2</sup>

⚡ATTENTION HIGH VOLTAGE⚡

Sales Drawing	Conductor				Insulation		Braid			Sheath	
	Size mm <sup>2</sup>	Construction	OD mm	Ω/km Resistance max.	mm Nom. thickness/Min. thickness	OD mm	Tape	Construction ±0.008mm	Tape	mm Nom. thickness/Min. thickness	OD mm
SD-14410-01	1.5	50/0.20	1.60 Max.	12.7	0.30/0.24	2.20±0.15	PET	16/6/0.12	AL-MYLAR	0.60/0.38	4.00±0.20
SD-14410-02	2.5	77/0.20	2.04 Max.	7.60	0.40/0.32	2.85±0.15	PET	16/6/0.12	AL-MYLAR	1.00/0.70	5.6±0.25
SD-13410-03	4	126/0.20	2.60 Max.	4.71	0.48/0.39	3.55±0.20	PET	16/8/0.12	AL-MYLAR	0.78/0.56	5.8±0.20
SD-14410-04	6	189/0.20	3.35 Max.	0.527	0.40/0.32	4.0±0.20	PET	24/8/0.12	AL-MYLAR	0.82/0.60	6.25±0.20
SD-14410-05	10	322/0.20	4.5 Max.	1.82	0.60/0.48	5.60±0.25	PET	16/10/0.12	AL-MYLAR	1.00/0.70	8.30±0.30
SD-14410-06	16	511/0.20	5.60 Max.	1.16	0.65/0.52	6.80±0.25	PET	24/8/0.12	AL-MYLAR	1.00/0.70	9.60±0.30
SD-14410-07	25	798/0.20	7.20 Max.	0.743	0.80/0.64	8.80±0.30	PET	24/10/0.12	AL-MYLAR	1.20/0.75	11.9±0.50
SD-14410-08	35	1121/0.20	8.5 Max.	0.527	0.80/0.64	10.1±0.50	PET	24/12/0.12	AL-MYLAR	1.25/0.80	13.2±0.60
SD-14410-09	50	1615/0.20	10.1 Max.	0.368	0.90/0.71	11.9±0.50	PET	24/12/0.12	AL-MYLAR	1.25/0.80	15.0±0.60
SD-14410-10	70	2261/0.20	12.1 Max.	0.259	1.5/1.20	15.1±0.60	PET	24/12/0.12	AL-MYLAR	1.70/1.16	19.1±0.60
SD-14410-11	95	3071/0.20	14.8 Max.	0.196	1.5/1.20	17.8±0.60	PET	24/12/0.12	AL-MYLAR	1.70/1.16	21.8±0.60
SD-14410-12	120	3885/0.20	16.5 Max.	0.153	1.6/1.28	19.7±0.60	PET	24/12/0.12	AL-MYLAR	1.70/1.16	23.7±0.80

MATERIAL SPEC	Approvals	Third angle projection		OMG EV CABLE	
PROCESS SPEC	Check			SIZE A4	SCALE NONE
TOLERANCES		Design: yufeng.liu	UNIT mm	EV 14410	
X.0 ±0.50	X.0* ±2.0*	Drawing: yufeng.liu	REV. A0	CODE NUMBER	Document No.
0.X ±0.10	0.X* ±1.0*		SHEET 1/1		SD-14410-**
0.0X ±0.05	0.0X* ±0.5*				

AO	1st Release	2021.11.15
LTR	DESCRIPTION	DATE
REVISIONS		