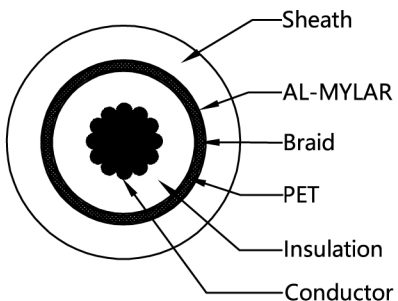


# Sales Drawing

## 一、 production picture



## 二、 Construction

1. Conductor  
Material: Bare Copper
2. Insulation  
Material: XLPO (Halogen Free)  
Color : Orange
3. Tape :  
Material: PET
4. Braid :  
Material: Tinned Copper  
Coverage: ≥85%
5. Tape :  
Material: AL-MYLAR
6. Jacket  
Material: XLPO(Halogen Free)  
Color : Orange

## 三、 Performance

1. Rating Voltage : AC1500V
2. Rating Temperature : -40℃ to +125℃
3. Short-term Aging : 150℃\*240h , Comply With ISO6722
4. Long-term Aging : 125℃\*3000h , Comply With ISO6722
5. Dielectric Voltage : 6000V/15min
6. Volume resistivity : 10<sup>9</sup> Ω.mm , Comply With ISO6722
7. Flame Test : Comply With ISO6722
8. Fluid Compatibility : Comply With ISO6722
9. Resistance to Ozone : 65℃/192h(1ppm), Comply With ISO6722
10. Min. Bend Radius : 4\*OD@<15mm; 6\*OD@≥15mm
11. Halogen Free:PH>4.3; Conductivity<10 μS/mm, Comply With GB/T17650
12. Environmental Requirements : RoHS and REACH Compliant

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-14402-01	2.5	77/0.20	2.06 Ref.	7.60	0.70/0.53	3.50±0.25	PET	16/8/0.12	AL-MYLAR	0.70/0.50	5.80±0.25
SD-14402-02	4	126/0.20	2.70 Ref.	4.71	0.80/0.62	4.50±0.25	PET	16/10/0.12	AL-MYLAR	0.80/0.58	6.80±0.25
SD-14402-03	6	189/0.20	3.40 Ref.	3.14	0.80/0.62	5.00±0.25	PET	16/10/0.12	AL-MYLAR	0.80/0.58	7.50±0.30
SD-14402-04	10	322/0.20	4.50 Ref.	1.82	1.00/0.80	6.40±0.25	PET	24/8/0.12	AL-MYLAR	1.00/0.75	9.20±0.30
SD-14402-05	16	511/0.20	5.60 Ref.	1.16	1.10/0.89	8.00±0.30	PET	24/10/0.12	AL-MYLAR	1.00/0.75	10.8±0.40
SD-14402-06	25	798/0.20	7.20 Ref.	0.743	1.30/1.07	10.0±0.30	PET	24/10/0.12	AL-MYLAR	1.20/0.92	13.2±0.50
SD-14402-07	35	1121/0.20	8.50 Ref.	0.527	1.30/1.07	11.0±0.40	PET	24/12/0.12	AL-MYLAR	1.30/1.01	14.5±0.50
SD-14402-08	50	1615/0.20	10.1 Ref.	0.368	1.50/1.25	13.0±0.50	PET	24/12/0.12	AL-MYLAR	1.40/1.09	16.5±0.60
SD-14402-19	60	1919/0.20	10.9 Ref.	0.307	1.50/1.25	13.8±0.50	PET	24/12/0.12	AL-MYLAR	1.50/1.18	17.2±0.60
SD-14402-09	70	2261/0.20	12.1 Ref.	0.259	1.50/1.25	15.0±0.60	PET	24/12/0.12	AL-MYLAR	1.60/1.26	19.0±0.60
SD-14402-10	95	3071/0.20	13.7 Ref.	0.196	1.70/1.43	17.3±0.60	PET	24/12/0.12	AL-MYLAR	1.60/1.26	21.6±0.60
SD-14402-11	120	3885/0.20	15.9 Ref.	0.153	1.70/1.43	19.5±0.60	PET	24/12/0.12	AL-MYLAR	1.60/1.26	23.6±0.60
SD-14402-12	135	4292/0.20	16.5 Ref.	0.139	1.70/1.43	20.0±0.60	PET	24/12/0.12	AL-MYLAR	1.80/1.43	24.5±0.60
SD-14402-13	150	3219/0.243	17.0 Ref.	0.129	1.70/1.43	20.4±0.60	PET	24/12/0.12	AL-MYLAR	1.80/1.43	25.0±0.60

Marking : EVRP-125 \*\*\*mm<sup>2</sup> 1500V -40℃~+125℃ 广东奥美格传导科技股份有限公司

MATERIAL SPEC	Approvals	Third angle projection		OMG EV CABLE	
PROCESS SPEC	Check				
TOLERANCES		SIZE A4	SCALE NONE	EV 14402	
X.0 ±0.50	X.0' ±2.0'	REV. A0	UNIT mm	CODE NUMBER	Document No.
0.X ±0.10	0.X' ±1.0'	Drawing: Yichang.Cheng			
0.0X ±0.05	0.0X' ±0.5'	Drawing: Yichang.Cheng			SD-14402.**
		SHEET 1/1			

AO	1st Release	2020.04.24
LTR	DESCRIPTION	DATE
REVISIONS		