

**Application**

Aerial Insulated Cables with voltages from 6.6kV - 22.9kV of ACSR-OC, ACSR/AW-OC. The products primarily used for the distribution of electrical energy under normal conditions of overhead (aerial) installations. The conductors must be installed on insulators and/or spacers adequate for the service voltage. The user may want to give consideration to the dielectric compatibility of the covering, insulator, spacer and etc.

**Description**

The conductors are stranded, circular compressed ACSR-OC or ACSR/AW-OC. The conductor screen is the extruded Semi-conducting conductor shield in Black. The Insulation is cross-linked polyethylene (XLPE) in Black with Weather or UV resistant. The Insulation rated for 90°C normal service temperature.

**Specifications**

- GB/T 14049 (Equal to IEC 60502-2) Aerial Insulated Cables For Rated Voltage of 10kV
- KS C 3138 ACSR outdoor cross-linked polyethylene insulated wires for 6.6 kV

Note: SB : Smooth body

**Parameter**
**IEC 60502-2; KS C 3138**
**6.6kV ACSR-OC Aerial Insulated Cables**

Size (mm <sup>2</sup> )	No. and Dia. of Wires		Conductor Diameter	Insulation Thickness	Cable Diameter	Rated	Weight
	AL	St				Strength	
	No.	No. /mm	mm	mm	mm	kgf	kg/km
<b>6.6 kV ACSR-OC/XLPE</b>							
32	6/SB	1/2.6	7.2	2	11.2	1090	185
58	6/SB	1/3.5	9.7	2.5	14.7	1900	325
95	6/SB	1/3.5	12	2.5	17	2360	455

**22.9kV ACSR-OC Aerial Insulated Cables**

Size (mm <sup>2</sup> )	No. and Dia. of wires		Conductor Diameter	Insulation Thickness	Cable Diameter	Rated	Weight
	AL	St				Strength	
	No.	No. /mm	mm	mm	mm	kgf	kg/km
<b>22.9 kV ACSR-OC/XLPE</b>							
32	6/SB	1/2.6	7.2	3	13.2	1090	215
58	6/SB	1/3.5	9.7	3	15.7	1900	340
95	6/SB	1/3.5	12	3.5	19	2360	540
160	18/SB	1/3.2	15.4	4	23.4	3080	740

**6.6kV ACSR/AW-OC Aerial Insulated Cables**

Size (mm <sup>2</sup> )	No. and Dia. of Wires		Conductor Diameter	Insulation Thickness	Cable Diameter	Rated	Weight
	AL	St				Strength	
	No.	No. /mm	mm	mm	mm	kgf	kg/km
<b>6.6 kV ACSR/AW-OC/XLPE</b>							
32	6/SB	1/2.6	7.2	2	11.2	1090	180
58	6/SB	1/3.5	9.7	2.5	14.7	1900	315
95	6/SB	1/3.5	12	2.5	17	2360	445

22.9kV ACSR/AW-OC Aerial Insulated Cables

Size (mm <sup>2</sup> )	No. and Dia. of Wires		Conductor Diameter	Insulation Thickness	Cable Diameter	Rated	Weight
	AL	St				Strength	
	No.	No. /mm	mm	mm	mm	kgf	kg/km
<b>22.9 kV ACSR/AW-OC/XLPE</b>							
32	6/SB	1/2.6	7.2	3	13.2	1090	210
58	6/SB	1/3.5	9.7	3	15.7	1900	330
95	6/SB	1/3.5	12	3.5	19	2360	530
160	18/SB	1/3.2	15.4	4	23.4	3080	730
240	18/SB	1/4.0	18.9	4	27	4500	1040