

ACSR-OC ACSR/AW-OC ACSR/AW-TR/OC Application

Aerial Insulated Cables with voltages from 6.6kV - 22.9kV of ACSR-OC, ACSR/AW-OC, ACSR/AW-TR/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.

ACSR-OC ACSR/AW-OC ACSR/AW-TR/OC Description

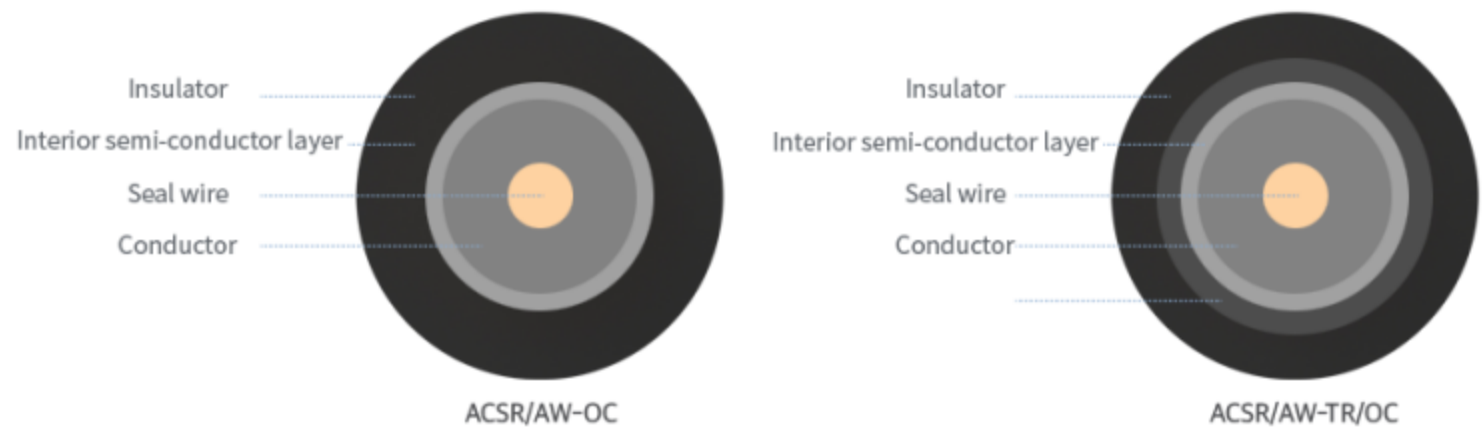
The conductors are stranded, circular compressed ACSR-OC or ACSR/AW-OC or ACSR/AW-TR/OC. The conductor screen is the extruded Semi-conducting conductor shield in Black. The Insulation is cross-linked polyethylene (XLPE) in Black with Weather or UV resistant. The Insulation rated for 90°C normal service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

ACSR-OC ACSR/AW-OC ACSR/AW-TR/OC 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

ES-6145-0021: Technical Standard of ACSR/AW-TR/OC for 23kV



ACSR/AW-OC ACSR/AW-TR/OC

ACSR/AW Polyvinyl Chloride Insulated Outdoor Weather-proof wire

USAGE

An electrically, physically, and chemically outstanding cable made for pad-mounted use from a 22.9kV-y multiple grounding system.

ACSR/AW-OC STRUCTURE

Seal wire : Aluminum-sheathed stranded wire (AW)

Conductor : Standard aluminum cable

Interior semi-conductor layer : Black semi-conductor thermosetting compound

Insulator : weather resistant cross-linked polyethylene (black)

ACSR/AW-TR/OC STRUCTURE

Seal wire : Aluminum-sheathed stranded wire (AW)

Conductor : Standard aluminum cable

Interior semi-conductor layer : Black semi-conductor thermosetting compound

Insulator : Weather-resistant cross-linked polyethylene (natural color)

Sheath : Black semi-conductor thermosetting compound (inner tracking)

6.6kV ACSR-OC Aerial Insulated Cables

Size (mm ²)	No. and Dia. of Wires		Conductor Diameter mm	Insulation Thickness mm	Cable Diameter mm	Rated Strength kgf	Weight kg/km
	AL No.	St No. /mm					
6.6 kV ACSR-OC/XLPE							
32	5/SB	1/2.6	7.2	2.0	11.2	1090	185

58	6/SB	1/3.5	9.7	2.5	14.7	1900	325
95	6/SB	1/3.5	12.0	2.5	17.0	2360	455

22.9kV ACSR-OC Aerial Insulated Cables

Size (mm ²)	No. and Dia. of wires		Conductor Diameter mm	Insulation Thickness mm	Cable Diameter mm	Rated Strength kgf	Weight kg/km
	AL	St					
	No.	No. /mm					
22.9 kV ACSR-OC/XLPE							
32	6/SB	1/2.6	7.2	3.0	13.2	1090	215
58	6/SB	1/3.5	9.7	3.0	15.7	1900	340
95	6/SB	1/3.5	12.0	3.5	19.0	2360	540
160	18/SB	1/3.2	15.4	4.0	23.4	3080	740

6.6kV ACSR/AW-OC Aerial Insulated Cables

Size (mm ²)	No. and Dia. of Wires		Conductor Diameter mm	Insulation Thickness mm	Cable Diameter mm	Rated Strength kgf	Weight kg/km
	AL	St					
	No.	No. /mm					
6.6 kV ACSR/AW-OC/XLPE							
32	6/SB	1/2.6	7.2	2.0	11.2	1090	180
58	6/SB	1/3.5	9.7	2.5	14.7	1900	315
95	6/SB	1/3.5	12.0	2.5	17.0	2360	445

22.9kV ACSR/AW-OC Aerial Insulated Cables

Size (mm ²)	No. and Dia. of Wires		Conductor Diameter mm	Insulation Thickness mm	Cable Diameter mm	Rated Strength kgf	Weight kg/km
	AL	St					
	No.	No. /mm					
22.9 kV ACSR/AW-OC/XLPE							
32	6/SB	1/2.6	7.2	3.0	13.2	1090	210
58	6/SB	1/3.5	9.7	3.0	15.7	1900	330
95	6/SB	1/3.5	12.0	3.5	19.0	2360	530
160	18/SB	1/3.2	15.4	4.0	23.4	3080	730
240	18/SB	1/4.0	18.9	4.0	27.0	4500	1040

ACSR/AW-TR/OC
22.9kV Aluminum Conductor Aluminum Clad Steel Reinforced Outdoor XLPE Insulated Wire

Nominal Sectional Area mm ²	Conductor			Insulation Thickness mm	Overall Diameter mm	Max. Conductor Resistance at 20°C Ω/km	Min. Insulation Resistance at 20°C Ω/km	Test Voltage kV	Min. Tensile Load kN(kgf)	Approx. Weight kg/km	Standard Length m
	Number & Diameter of Wire mm	Number & Diameter of Wire mm	Outer Diameter mm								
58	6/SB	1/3.5	9.7	3	15.7	0.484	1,500	25	1,900	360	600
95	6/SB	1/3.5	12	3.5	19	0.302	1,500	25	2,360	520	600
160	18/SB	1/3.2	15.4	4	23.4	0.183	1,500	25	3,080	750	600
240	18/SB	1/4.0	18.9	4	27	0.123	1,000				