



ChimeraX 1.5kV DC Single Core Power Cable Flame Retardant, Aluminum Wire Armoured AT/AR 1×300mm²

Flame Retardant

IEC 60332-1

Design Reference

IEC 60502-2004

Application

Direct Buried Outdoor

Solar Farm

DC Power Transmission

Rated Value

U₀ 1.5kVDC / EN50618

(max. permitted voltage

U₀ 1.8kVDC) UL 2kV

Working Condition

Storage Temperature

-20°C ~ +60°C

Installation Temperature:

-10°C ~ +60°C

Operation Temperature

-20°C ~ +90°C

Maximum short circuit Temp.

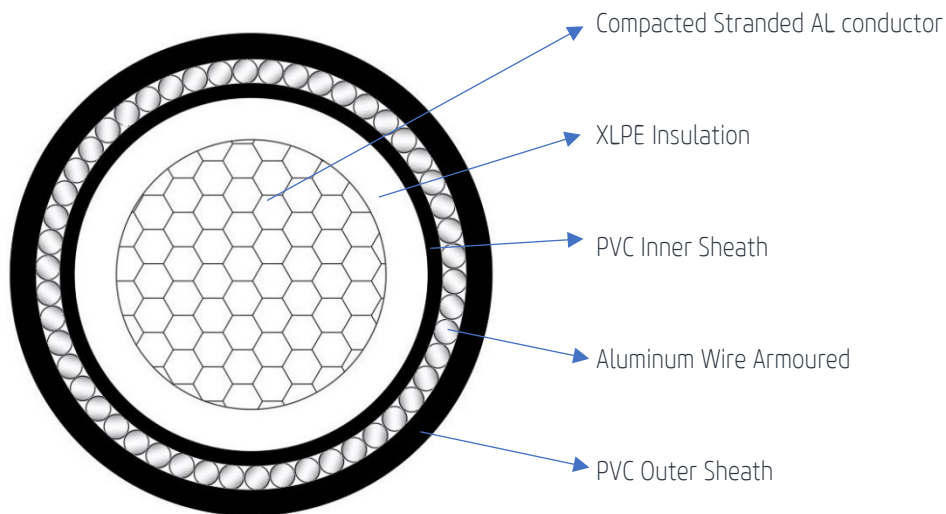
+250 °C in 5s

Min. Allowable Bending Radius

Static: > 10 D

Dynamic: > 20 D

D is the out diameter of the
cable



Technical data

Number of Conductor		1
Conductor Material		Aluminum
Conductor		Compact Strands Circular
Cross-section of Conductor	mm ²	300 (Min. 30 wire stranded)
Diameter of Conductor	mm	19.7 ~ 21.6
Material of Insulation		XLPE
Thickness of Insulation Nom.	mm	1.1
Inner Sheath Material		PVC
Thickness of Inner Jacket	mm	1.1
Armoured Material		Aluminum Wire
Aluminum Wire OD	mm	2.0
Outer Sheath Material		PVC
Thickness of Outer Sheath	mm	2.0



Order Information

Nominal cross section	Conductor OD Nom.	Outer Diameter Nom.	Resistance Max.at 20 °C	Weight	AC Voltage test	Part Number
N × mm ²	mm	mm	Ω/km	kg/km	kV/Min	
1×300	19.7~21.6	34.58	0.1	1736	3.5/5	SCR-C0001C8161-AT

Sheath Marking

The outer sheath is marked in 1meter intervals as follows

HERMESYS CHIMERAX 1.5KV DC DIRECT BURIED AWA FIRE RETARDANT CABLE SINGLE CONDUCTOR 300MMSQ
< SCR-C0001C8161-AT> WYYYYY XXXXM

Shipping Information

Packing Method

Steel Wooden Drum with Protection

Delivery Length

Standard Delivery Length is 1km per drum for 95mm² and 150mm²

Standard Delivery Length is 500m per drum for 300mm²

*Drum tolerance of ± 1%



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