ChimeraX 4mm² Single Core Solar Cable Flame Retardant, Zero Halogen

Flame Resistant

IEC 60332-1

Design Standard

EN 50618

H 1Z2Z2-K

Application

Solar Farm

Residential Solar System

Rated Value

U_0 1.5kVDC / EN50618

Working Condition

Storage Temperature

-40°C ~ +90°C

Installation Temperature:

-40°C ~ +90°C

Operation Temperature

-40°C ~ +120°C

Maximum short circuit Temp.

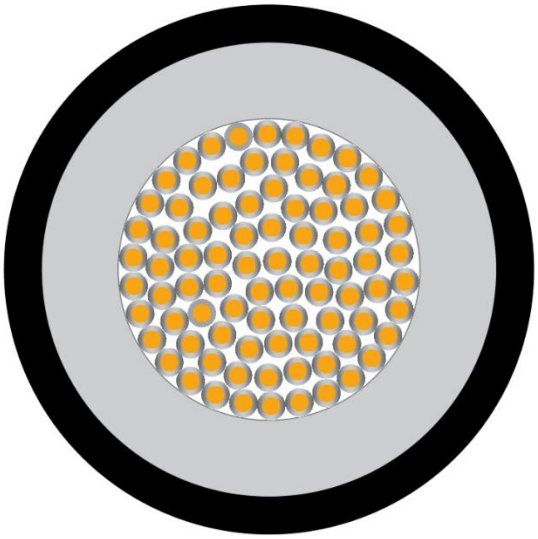
+250 °C in 5s

Min. Allowable Bending Radius

Static: > 4 D

Dynamic: > 5 D

D is the out diameter of the cable



- Water Resistance
- Cross-linked polyolefin insulation
- Cross-linked polyolefin outer jacket
- The jacket wont melt or flow in high temperature
- Sun Light Resistance

Technical data

Number of Conductor		1
Conductor Material		Tinned Copper
Conductor		Class 5 flexible stranded tinned copper
Cross-section of conductor	mm^2	4
Diameter of conductor Nom.	mm	2.4
Material of insulation		Cross-linked polyolefin
Color of insulation		Natural
Material of outer jacket		Cross-linked polyolefin with UV & Ozone resistant
Outer Sheath Color		Black with white labeling or Black with red labeling
OD of Cable Nom.	mm	5.9±0.2
Weight approx	kg/km	61

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Electrical Characteristics

Dielectric Strength		AC-6.5kV/1 sec Min
Spark Test		AC-10kV/in the air
Conductor Resistance@ 20℃	ΩKM	5.09 (Max)
Weathering/UV-resistance		No crack in 720h
Thermal Endurance Properties. (Insulating material Ageing)		25 Years (IEC 60216-1)

Physical Characteristics

Elongation of unaged values	≥	125%
Tensile strength of unaged values(N/mm^2)	≥	6.5
Aged in a full draft circulating air oven		150±2.0℃/168h
Elongation of after aging	≤	30%
Tensile strength of after aging	≤	30%
Ozone resistance	72h	No Crack
Cold bend test	-40±2℃*16h	No Crack
Cold impact test	-40℃*16h/1000g	100mm no crack

Sheath Marking

The outer sheath is marked in 1meter intervals as follows

HERMESYS CHIMERAX EN50618 SOLAR FIRE RETARDANT DC CABLE(PV) SINGLE CONDUCTOR 4MMSQ 1.5KV<SRC-04001C77>
WWYYYY XXXXM

Order Information

P/N SRC-04001C77-W - Black color jacket with white labeling
P/N SRC-04001C77-R - Black color jacket with red labeling

Packing Method	Wooden Drum with Protection
Delivery Length	Standard Delivery Length is 500m with a tolerance of ± 3%

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