



ChimeraX™ 3×300mm² & 3×185mm² MV Power Cable

CU/XLPE/CTS/PVC/DSTA/PVC-AT

Design Reference

IEC 60502.2-2021

Working Conditions

Storage Temperature

0°C ~ +90°C

Installation Temperature:

0°C ~ +60°C

Operation Temperature

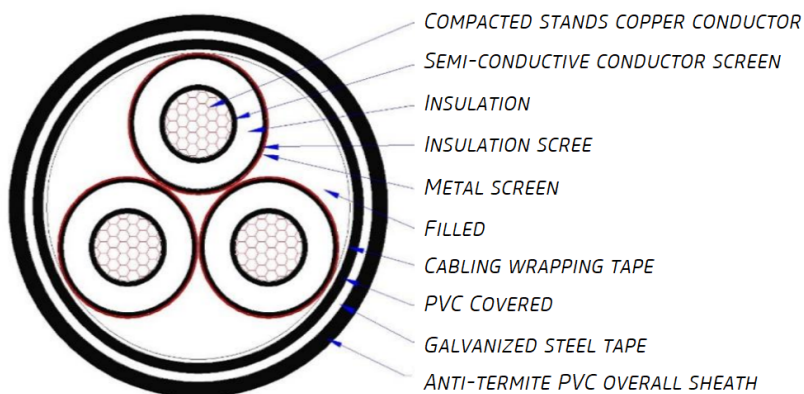
0°C ~ +90°C

Cables Bending Radius

15D (3×300mm²)

12D (3×185mm²)

D: Cable overall dia.



Technical data

Core No. x Cross section		3 × 300mm ² /3 × 185mm ²
Conductor Material		Class 2 compacted standing
Min. Number of Conductor		34/30
Overall Diameter of Conductor (Nom.)	mm	19.7 ~ 21.6/15.3 ~ 16.8
Insulation		XLPE
Insulation (Nom.)	mm	5.5
Metal Screen		Double copper tape
Thickness of Metal Screen (Nom.)	mm	≥ 0.1
Inner Covered		PVC
Thickness of Inner Covered (Nom.)	mm	2.0/1.9
Armoured Material		Double galvanized steel tape
Thickness of Armoured Material (Nom.)	mm	0.8/0.5
Outer Sheath		Anti-termite PVC
Thickness of Outer Sheath (Nom.)	mm	3.8/3.4
Overall Diameter (Nom.)	mm	91.1/79.3
Approx. Weight	kg/km	15445/10353



Mechanical & Electrical Property

No.	Mechanical Specification	Unit	Designed Value
1	Rated voltage	kV	12.7/24 (3×300mm ²) 12.7/22 (3×185mm ²)
2	AC Voltage test	kV/min	The cable shall be subjected to a test voltage of 42kV , held for a period of 5 min , No breakdown shall occur
3	Partial discharge test	pC	≤10PC/At 1.73U ₀
4	Max. DC resistance of conductor @20°C	Ω/km	0.0601 (3×300mm ²) 0.0991 (3×185mm ²)
5	Max. Continuous conductor temp	°C	90
6	Current-carrying Capacities of cables (3×300mm ²)	A	In air: 529 Buried direct in ground: 431 In a buried duct: 387
7	Current-carrying Capacities of cables (3×185mm ²)	A	In air: 397 Buried direct in ground: 332 In a buried duct: 296

Sheath Marking

The outer sheath is marked in 1meter intervals as follows

HERMESYS CHIMERAX MV POWER CABLE 3 × XXXmm² WW YYYY XXXXM

Shipping Information

Packing Method

Wooden Drum with proper protection

Delivery Length

According to customer requirements

Info@hermesys.com
Phone +65 66921168
42 Emerald Hill Road, Singapore



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