



ChimeraX™ 1×300mm² FRT Cable

CU/XLPE/DATA/FRT/LSOH

Flame Resistant

IEC 60332-1-1

IEC 60332-1-3

IEC 60332-3-22

Design Reference

IEC60502-2:2005

Working Conditions

Storage Temperature

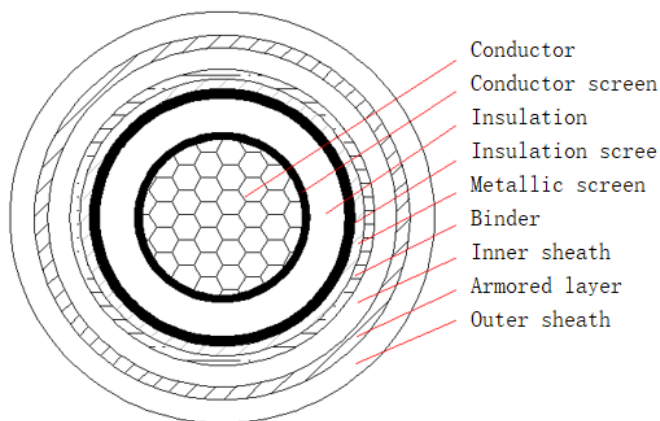
0°C ~ +90°C

Installation Temperature:

0°C ~ +60°C

Operation Temperature

0°C ~ +90°C



Technical data

Core No. x Cross section	1 × 300mm ² -	
Conductor Material	Class 2 circular stranding copper	
Conductor Screen	Semi-conductive compound	
Thickness of Conductor Screen (Nom.)	mm	0.7
Insulation	XLPE	
Insulation (Nom.)	mm	5.5
Insulation Scree	Semi-conductive compound	
Thickness of Insulation Scree (Nom.)	mm	0.6
Metallic Screen	Copper tape	
Thickness of Metallic Screen (Nom.)	mm	0.12
Binder	Flame retardant tape	
Thickness of Binder (Nom.)	mm	0.2
Inner Sheath	Black LSOH	
Thickness of Inner Sheath (Nom.)	mm	1.3
Armored Layer	AL tape	
No. × Thickness of Armored Layer (Nom.)	mm	2×0.5
Outer Sheath	Black LSOH with Anti-termite UV	
Thickness of Outer Sheath (Nom.)	mm	4.0
Overall Diameter (Nom.)	mm	47.6



Mechanical & Electrical Property

No.	Mechanical Specification	Unit	Designed Value
1	Rated voltage	kV	22
2	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	Partial discharge magnitude shall not exceed 10 pC at 21kV
4	Max. DC resistance of conductor @20°C	Ω/km	≤0.0601
5	Max. Continuous conductor temp	°C	90

Sheath Marking

The outer sheath is marked in 1meter intervals as follows

HERMESYS CHIMERAX 1×300mm² FRT CABLE WW YYYY XXXXM

Shipping Information

Packing Method

Wooden Drum with proper protection

Delivery Length
requirements

2 km per drum or according to customer

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