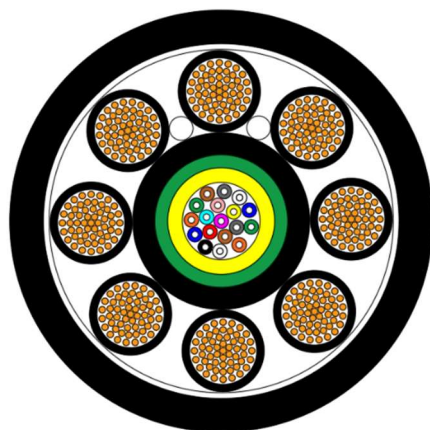




ChimeraX™ Hybrid High Speed Cable

18F G652D + 8C 4mm² UV Resistant PE Jacket



Hermesys ChimeraX™ Hybrid Cable is designed to remotely deliver power like a copper cable can while also enjoying the performance of fiber to carry data across long distances.

The cable can safely transmit of low-voltage power along with data across distances of up to 1,000m

Technical data

Number of Fibers	18
Fiber Type	G652D
Fiber Cable Structural	Unitube Armour
Tensile Enhanced Element	Aramid Yarn
Fiber Cable Jacket	HDPE with UV resistant
Copper Conductor	Ultra Flexible Stranded Wire
Conductor Material	Bare Copper (56 × 0.3mm)
Number of Conductor	8
Conductor Size (Nom.)	mm ² 4
Conductor Insulation	90°C PVC
Insulation Color	Black with numbering (1~8)
Insulation thickness (Nom.)	0.6
Copper Wire Diameter (Nom.)	mm 4.0
Fiber Optic Cable Diameter (Nom.)	mm 8.1
Coating Layer	Polyester Tape
Outer Sheath Thickness (Nom.)	mm 1.5
Outer sheath	HDPE with UV resistant
Outer sheath Color	Color
Overall Diameter (Nom.)	mm 19.5

Flame Resistant

No Request

Design Reference

BS 6004

BS 6360

IEC 60228

IEC 60794-3-10

Application

Industrial port application

Working Conditions

Storage Temperature

-40°C ~ +70°C

Installation Temperature:

-10°C ~ +60°C

Operation Temperature

-20°C ~ +70°C

Min. Allowable Bending Radius

Static: > 10 D

Dynamic: > 20 D

D is the out diameter of the cable



Fiber Chromatogram

No.	1	2	3	4	5	6	1 black ring
Color	Blue	Orange	Green	Brown	Slate	White	
No.	7	8	9	10	11	12	
Color	Red	Black	Yellow	Violet	Pink	Aqua	
No.	13	14	15	16	17	18	1 black ring
Color	Blue	Orange	Green	Brown	Slate	White	

Mechanical Property

No.	Mechanical Specification	Unit	Designed Value
1	Tensile Strength	N	1000 Short Term
2	Tensile Strength	N	400 Long Term
3	Crush resistance	N/100mm	1000 Short Term
4	Crush resistance	N/100mm	400 Long Term

Electrical Property

No.	Electrical & Optical Specification	Unit	Designed Value
1	Max. DC Resistance@20°C	Ω/km	4.95
2	Attenuation@1310nm	dB/km	≤0.36
3	Attenuation@1550nm	dB/km	≤0.22

Sheath Marking

The outer sheath is marked in 1meter intervals as follows.

HERMESYS CHIMERAX HYBRID CABLE 18×G652D + 4×4MMSQ HDPE JACKET HYB-P4S8C500001F(1)2001H00200J0 WW YYYY XXXXM

Shipping Information

Packing Method

Wooden Drum with proper protection

Delivery Length

1km per drum

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



Hermesys 2015, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Hermesys: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Hermesys. The information is believed to be correct at the time of issue. Hermesys reserves the right to amend this specification without prior notice.

www.hermesys.com