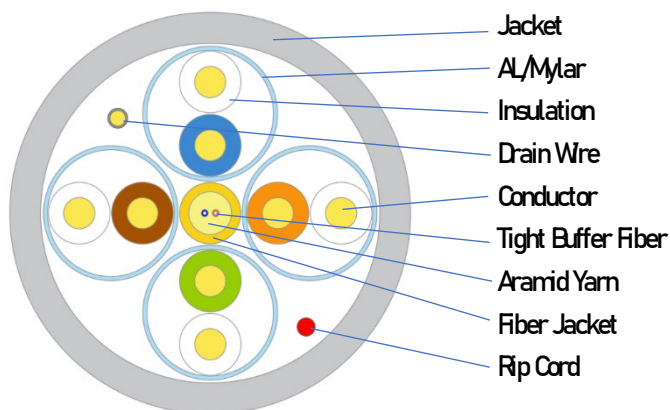




ChimeraX™ Hybrid High Speed Cable

2F G657A2 + Cat6 U/FTP Fire Retardant LSOH Jacket



Flame Resistant

IEC 60332-1

Design Reference

ISO/IEC 11801

ANSI/TIA-568.2-D

RoHS

Application

Smart Building

FTTA

Surveillance System

Working Conditions

Storage Temperature

-40°C ~ +70°C

Installation Temperature:

-15°C ~ +55°C

Operation Temperature

-30°C ~ +70°C

Min. Allowable Bending Radius

Static: > 8 D

Dynamic: > 15 D

D is the out diameter of the cable

Technical data

Number of Fibers		2
Fiber Type		G657A2
Fiber Color		Blue, Orange
Fiber Optic Cable OD (Nom.)	mm	3.0
Fiber Optic Cable Outer Sheath		LSOH
Conductor		Solid Bare Copper
Conductor Size		23AWG
Conductor Insulation		Foam-PE
Shielded		Al/Mylar Individual Pair Wrapping
Drain Wire		Tinned Copper
Overall Diameter (Nom.)	mm	7.8mm
Color		Grey

Mechanical Properties

Before Aging Tensile Strength (Mpa)		≥10.0
Elongation (%)		≥125
Aging Period (°C×hours)		100°C×24h×7d
After Aging Tensile Strength (Mpa)		≥8.0
Elongation (%)		≥100
Cold Bend(-20±2°C×4h)	8×Cable O.D.	No visible cracks



Electrical Characteristics@20°C

1.0-250.0MHz Impedance (Ω)	100 $\pm$ 15
1.0-250.0MHz Delay Skew (ns/100m)	$\leq$ 45
Unbalanced-to-ground capacitance (pf/100m)	Max 330
DC Resistance (Ω /100m) max	9.38
DC Conductor Resistance Unbalance (%)	Max 5.0

Fiber Properties

Attribute		Units	Limits
Mode Field Diameter		μ m	9.2 $\pm$ 0.4
Cladding Diameter		μ m	125.0 $\pm$ 1
Coating Diameter		μ m	245 $\pm$ 10
Attenuation Coefficient	@ 1310 nm	dB/km	0.38
	@ 1285-1330 nm		0.40
	@ 1550 nm		0.25
	@ 1625 nm		0.27
Dispersion	@ 1285-1330 nm	Ps/nm.km	3.5
	@ 1550 nm		18.0
PMDQ Link Design Value	IEC/EN 60794-3	ps/ $\sqrt$ km	$\leq$ 0.2

Sheath Marking

The outer sheath is marked in 1meter intervals as follows

HERMESYS CHIMERAX HYBRID CABLE 2×G657A2 + CAT6 23AWG U/FTP LSOH JACKET HYB-D12642F207225224 WW YYYY XXXXM

Shipping Information

Packing Method

Wooden Drum with proper protection

Delivery Length

305m 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