



ChimeraX Hybrid High Speed Cable

Fire Retardant , Heavy Armour

6×G657A2 + 2×12AWG

Flame Resistant

IEC 61034-1, -2

IEC 60754

IEC 60332-1

IEC 60332-3C

Design Reference

IEC 60794-2-20-2008

IEC 60502.1-2004

IEC 60228

Application

Direct Buried

Oil & Gas Plant

5G Network

Working Condition

Storage Temperature

-40°C ~ +70°C

Installation Temperature:

0°C ~ +60°C

Operation Temperature

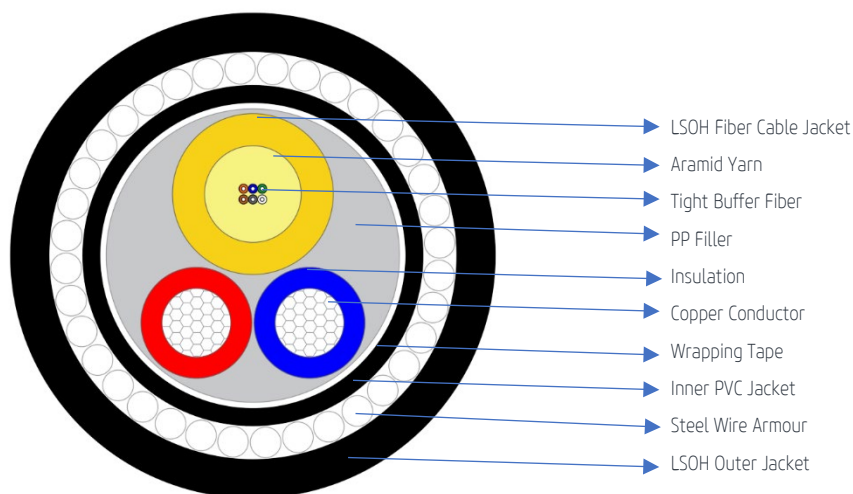
-20°C ~ +70°C

Min. Allowable Bending Radius

Static: > 12 D

Dynamic: > 24 D

D is the out diameter of the cable



Technical data

Number of Conductor	2
Conductor Material	Plain Copper Wire Class 5
Conductor Size	mm ² 12AWG/3.31
Insulation (Nom.)	FR-PVC
Insulation Colour.	1. Red 2. Blue
Fiber Model	G657.A2
Fiber Cable Color	Yellow
Fiber Type	Tight Buffer Fiber
Fiber Cable Jacket	LSOH
Strength Member	Aramid Yarn
No. Fiber Cable	6
OD of Fiber Cable(Nom.)	mm 5.5
Filler Material of Hybrid Cable	PP
Inner Jacket	PVC



Environment Friendly

RoHS 2(2011/65/EU) Compliance

UV Resistance

UL 1581

Armour	Galvanized Steel Wire	
Overall Outer Jacket	LSOH with UV resistant	
Color of Outer Jacket (Ave)	Black	
Overall OD Nom.	mm	18.3
Approx Weight.	kg/km	510

Electrical Characteristics

Conductor Resistance (Ω /km)	@20°C	5.53
Test Voltage (V/min)	AC 3500/5	
Short Circuit Temperature	160°C/5s	

Fiber Characteristics

Please check the attached G657A2 Fiber Spec

Mechanical Characteristics

Tensile Strength	Short Term	4000N
Tensile Strength	Long Term	2000N
Crush Strength	Short Term	3000N
Crush Strength.	Long Term	1500N

Sheath Marking

The outer sheath is marked in 1meter intervals as follows

HERMESYS CHIMERAX HYBRID FIRE RETARDANT CABLE 2*12AWG+6F G657A2 SWA ARMOUR
<HYB-P12W02C1F(1)207625224J1(2)A2> WWYYYY XXXXM

Shipping Information

Packing Method

Wooden Drum with Protection

Delivery Length

Standard Delivery Length is 1km with a tolerance of $\pm 3\%$



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