



Hermesys®



ABOUT HERMESYS

Hermesys builds advanced cabling and integrated technology solutions that connect industries, infrastructure, and the future.

Founded in London, Hermesys operates across geospatial mapping, satellite communication and tracking, integrated security, cable wiring systems, and specialized industrial cable manufacturing.

With R&D centres in the USA, Singapore, and China, Hermesys develops energy-efficient and environmentally responsible cabling technologies designed for demanding environments and long-term reliability.

US

UK

CHINA

THAILAND
MALAYSIA
SINGAPORE

PHILIPPINES
VIETNAM
INDONESIA

HERMESYS CABLE & CONNECTIVITY SUB-BRANDS

Five specialized product series for telecom, data center, industrial, and infrastructure applications.

LadonX™

Fiber Optic Cable

Ethernet Cable up to Cat8

Multipair Copper Cable

ELV Power Cable

CONVENTIONAL CABLE

ChimeraX™

Fire Resistant Cable

RF Cable 50Ω / 75Ω

Industrial Data Cable

Military Cable

Subsea Cable

Solar Cable

INDUSTRIAL CABLE

HydraX™

Copper & Fiber Fittings

Optical Transceivers

AOC & High-Speed Cable

Cable Closure

Power Cable Accessories

Cable Tray

CONNECTIVITY

CetoX™

Data Center Rack

PDU

Telecom FTB / FDB

Smart Manhole

RACK & CABINET

GryphonX™

Micro Cable up to 864F

Fiber Unit, 2F to 12F

Micro Duct & Bundle Duct

Air-Blown Accessories

UPVC Pipe & Connector

AIR-BLOWN SYSTEM

C O N T E N T S

I. FIRE-RESISTANT CABLES

- 07 Fire-Resistant SST Central Uni-Tube Non-Armored
- 08 Fire-Resistant SST Central Uni-Tube SWA Armored
- 09 Fire-Resistant SST Central Uni-Tube CST & SWB Armored Triple-Sheath
- 10 Fire-Resistant SST Central Uni-Tube CST & SWA Armored Triple-Sheath
- 11 Fire-Resistant Semi-Dry Stranded Loose Tube Non-Armored
- 12 Fire-Resistant Fully-Dry Stranded Loose Tube Non-Armored
- 13 Fire-Resistant Semi-Dry Stranded Loose Tube CST Armored Double-Sheath
- 14 Fire-Resistant Fully-Dry Stranded Loose Tube SWA Armored Double-Sheath
- 15 Fire-Resistant Semi-Dry Stranded SST Tube SWA Armored Double-Sheath
- 16 Fire-Resistant Semi-Dry Stranded Loose Tube Double-CST Armored Double-Sheath
- 17 Fire-Resistant Category 6A S/FTP 23AWG Copper Data Cable
- 18 Fire-Resistant Category 6A S/FTP 23AWG SWB Armored Double-Sheath Copper Data Cable
- 19 Fire-Resistant Category 6A S/FTP 23AWG SWA Armored Double-Sheath Copper Data Cable
- 20 Fire-Resistant Shielded Copper Alarm Cable
- 21 Fire-Resistant Unshielded Copper Alarm Cable

II. CHEMICAL-RESISTANT CABLES

- 23 Oil and Fire-Resistant Marine Central Uni-Tube SST SWA Armored
- 24 Oil and Fire-Resistant Marine Semi-Dry Stranded Loose Tube CST Armored Double-Sheath
- 25 Enhanced Oil, Toluene and Fire-Resistant Marine Semi-Dry Stranded Loose Tube SWB Armored-Double Sheath
- 26 Oil and Toluene-Resistant Semi-Dry Stranded Loose Tube CST Armored
- 27 Oil and Toluene-Resistant Semi-Dry Stranded Loose Tube CST Armored Double-Sheath
- 28 Oil and Toluene-Resistant Semi-Dry Stranded Loose Tube Flat FRP Armored Double-Sheath
- 29 Oil-Resistant Marine Category 7 S/FTP SWB Armored Double-Sheath Copper Data Cable
- 30 Oil-Resistant Marine Category 6A S/FTP 24AWG Copper Data Cable

III. EXPLOSION-PROOF CABLES

- 31 Explosion-Proof and Fire-Resistant SST Central Uni-Tube CST and Quadruple-SWA Armored Double-Sheath

IV. AMPHIBIOUS & SUBMARINE CABLES

- 33 Amphibious and Submarine Fire-Resistant SST Central Uni-Tube Optical Cable with SWA Armored
- 34 Amphibious and Submarine Fire-Resistant SST Central Uni-Tube Triple-SWA Armored Double-Sheath
- 35 Amphibious and Submarine Fire-Resistant Semi-Dry Stranded SST Tube SWA Armored Double-Sheath
- 36 Amphibious and Submarine Fire-Resistant Semi-Dry Stranded SST Tube SWA Armored Double-Sheath

V. CONTROL CABLES

- 38 UL 2464 Unshielded Control Cable
- 39 UL 2464 Shielded Control Cable
- 40 UL 2919 Shielded Control Cable
- 41 RS 485 Shielded Control Cable
- 42 Shielded General Control Cable with PE Insulation
- 43 General Shielded Control Cable
- 44 Unshielded Instrumentation Control Cable with PVC Insulation
- 45 Shielded Instrumentation Control Cable with XLPE/LSOH Insulation
- 46 Shielded Instrumentation Control Cable with PVC-T12 Insulation
- 47 Shielded FF Instrumentation Control Cable with PVC-T12 Insulation
- 48 Shielded FF SWA Armored Double-Sheath PVC-T12 Instrumentation Control Cable

VI. COAXIAL CABLES

- 50 75Ω RG59 RF Coaxial Cable
- 51 75Ω RG6 RF Coaxial Cable
- 52 75Ω RG11 RF Coaxial Cable
- 53 50Ω RG213 RF Coaxial Cable
- 54 50Ω RG214 RF Coaxial Cable

VII. COMPOSITE CABLES

- 56 5G Hybrid Optical and Power Composite Cable
- 57 6RRU Type 5G Hybrid Optical and Power Composite Cable
- 58 9RRU Type 5G Hybrid Optical and Power Composite Cable
- 59 Hybrid Optical and Power Composite Cable
- 60 Hybrid Optical and Power Composite Cable
- 61 Submarine Composite Optical and Power Cable

VIII. OTHER CABLES

- 63 OPGW Cable with SST and AL-Clad SST Tube Structures
- 64 Elevator Traveling Copper Category 6 S/FTP 23AWG Data Cable
- 65 Category 6A SF/UTP Oil-Resistant Drag Chain Data Cable

Hermesys has extensive experience in industrial cable deployment, delivering reliable cabling solutions for complex and demanding environments. We advocate the use of low-smoke zero-halogen materials to enhance safety, reduce environmental impact, and support sustainable development.

Fire Resistant Cable



FIRE
RESISTANT



RELIABLE
PROTECTION

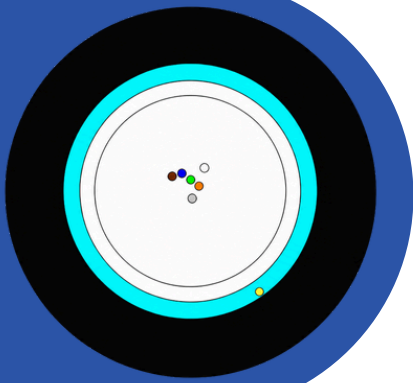


HIGH-TEMP
DURABILITY



ChimeraX™ Fire-Resistant SST Central Uni-Tube Non-Armored Optical Cable

- 2–12 Fibers
- Tube Filling: Jelly filled
- Tube Material: Stainless Steel Tube
- Water Blocking: Water blocking yarn
- Strength Member: Glass yarn
- Ripcord: Included
- Outer Sheath: Fire-resistant sheath



Technical Specifications

Fiber Count	2-12
Cable OD (Approx.)	6.7mm
Tensile Strength Short Term [*]	500N
Tensile Strength Long Term [*]	200N
Crush Short Term [*]	1000N/100mm
Crush Long Term [*]	300N/100mm
Peripheral Strength Member Material	Glass Yarn

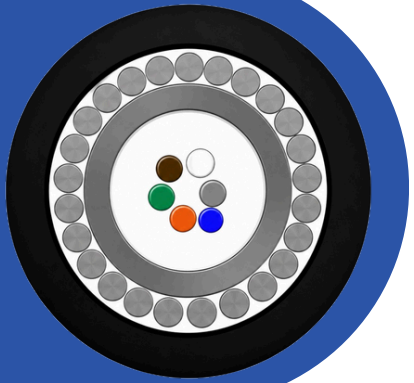
Product Configuration

Product P/N	Outer Sheath Material	Outer Sheath Color Coding	Flame Retardant Rating	Fire Resistant Rating	LSOH	Anti-Termite & Anti-Rodent [*]
20xyy3060S4	LSOH-FR	Black	IEC 60332-1 IEC 60332-3-24	IEC 60331-25	IEC61034-2 IEC60754-1&2	-
20xyy30A60S4						Yes (Chemical Additive)

x 'x' denotes fiber type yy 'yy' denotes fiber count [*] For special requirements please contact info@hermesys.com

ChimeraX™ Fire-Resistant SST Central Uni-Tube SWA Armored Optical Cable

- 2–60 Fibers
- Tube Filling: Jelly filled
- Tube Material: Stainless Steel Tube
- Cable Armor: Steel Wire Armor, SWA
- Structure: SST central uni-tube design
- Outer Sheath: Fire-resistant sheath



Technical Specifications

Fiber Count	2-24	36-48	60
Cable OD (Approx.)	7.3mm	8.2mm	8.9mm
Tensile Strength Short Term [*]	4000N		
Tensile Strength Long Term [*]	1600N		
Crush Short Term [*]	2000N/100mm		
Crush Long Term [*]	600N/100mm		

Product Configuration

Product P/N	Outer Sheath Material	Outer Sheath Color Coding	Flame Retardant Rating	Fire Resistant Rating	LSOH	Anti-Termite & Anti-Rodent [*]
20xyy3050S2	LSOH-FR	Black	IEC 60332-1 IEC 60332-3-24	IEC 60331-25	IEC61034-2 IEC60754-1&2	-
20xyy30A50S2						Yes (Chemical Additive)

x 'x' denotes fiber type yy 'yy' denotes fiber count [*] For special requirements please contact info@hermesys.com

ChimeraX™ Fire-Resistant SST Central Uni-Tube CST & SWB Armored Triple-Sheath Optical Cable

- 2-48 Fibers
- Tube Filling: Jelly filled
- Tube Material: Stainless Steel Tube
- Water Blocking: Water blocking tape
- Cable Armor: CST & SWB Armor
- Sheath Structure: Triple sheath
- Outer Sheath: Fire-resistant sheath
- Strength Member: Reinforced strength member



Technical Specifications

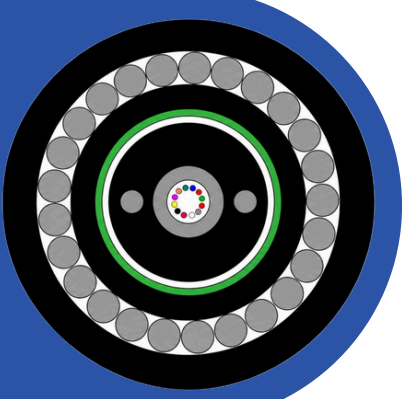
Fiber Count	2-12	24-48
Cable OD (Approx.)	17.0mm	18.0mm
Tensile Strength Short Term [*]	3000N	
Tensile Strength Long Term [*]	1200N	
Crush Short Term [*]	1000N/100mm	
Crush Long Term [*]	300N/100mm	
Peripheral Strength Member Material	Symmetrical 2*Steel Wire	

Product Configuration

Product P/N	Outer Sheath Material	Outer Sheath Color Coding	Flame Retardant Rating	Fire Resistant Rating	LSOH	Anti-Termite & Anti-Rodent [*]
20xyy3(33)000SH0(1)	LSOH-FR	Black	IEC 60332-1 IEC 60332-3-24	IEC 60331-25	IEC61034-2 IEC60754-1&2	-
20xyy3(33)0A00SH0(1)						Yes (Chemical Additive)
x 'x' denotes fiber type yy 'yy' denotes fiber count [*] [*]For special requirements please contact info@hermesys.com						

ChimeraX™ Fire-Resistant SST Central Uni-Tube CST & SWA Armored Triple-Sheath Optical Cable

- 2-48 Fibers
- Tube Filling: Jelly filled
- Tube Material: Stainless Steel Tube
- Water Blocking: Water blocking tape
- Cable Armor: CST & SWA Armor
- Sheath Structure: Triple sheath
- Outer Sheath: Fire-resistant sheath
- Strength Member: Reinforced strength member



Technical Specifications

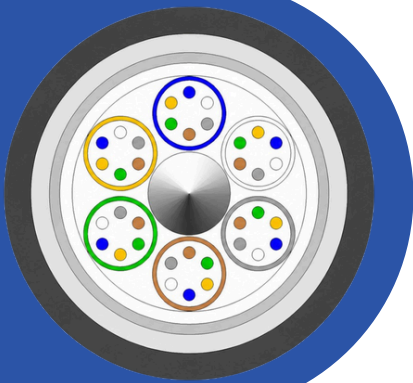
Fiber Count	2-12	24-48
Cable OD (Approx.)	21.0mm	22.1mm
Tensile Strength Short Term [*]	5000N	
Tensile Strength Long Term [*]	2000N	
Crush Short Term [*]	1500N/100mm	
Crush Long Term [*]	450N/100mm	
Peripheral Strength Member Material	Symmetrical 2*Steel Wire	

Product Configuration

Product P/N	Outer Sheath Material	Outer Sheath Color Coding	Flame Retardant Rating	Fire Resistant Rating	LSOH	Anti-Termite & Anti-Rodent [*]
20xyy3(33)000SH0(2)	LSOH-FR	Black	IEC 60332-1 IEC 60332-3-24	IEC 60331-25 BS 6387 CWZ	IEC61034-2 IEC60754-1&2	-
20xyy3(33)0A00SH0(2)						Yes (Chemical Additive)
x 'x' denotes fiber tupe yy 'yy' denotes fiber count [*] [*]For special requirements please contact info@hermesys.com						

ChimeraX™ Fire-Resistant Semi-Dry Stranded Loose Tube Non-Armored Optical Cable

- 2–24 Fibers
- Fiber Count Per Tube: 6 fibers
- Tube Filling: Jelly filled
- Tube Material: PBT
- Fire Resistant Element: Mica tape
- Strength Member: Glass yarn
- Water Blocking: Water blocking yarn & water blocking tape
- Cable Structure: Stranded loose tube
- Water Blocking Structure: Semi-dry structure



Technical Specifications

Fiber Count [*]	2-24
Tube and Filler Count	6
Cable OD (Approx.)	12.8mm
Tensile Strength Short Term [*]	1500N
Tensile Strength Long Term [*]	600N
Crush Short Term [*]	1000N/100mm
Crush Long Term [*]	300N/100mm
Peripheral Strength Member Material	FRP

Product Configuration

Product P/N	Outer Sheath Material	Outer Sheath Color Coding	Flame Retardant Rating	Fire Resistant Rating	LSOH	Anti-Termite & Anti-Rodent [*]
20xyy3FR2714	LSOH-FR	Black	IEC 60332-1 IEC 60332-3-24	IEC 60331-25	IEC61034-2 IEC60754-1&2	-
20xyy3FR2A714						Yes (Chemical Additive)

x 'x' denotes fiber type yy 'yy' denotes fiber count [*] For special requirements please contact info@hermesys.com

ChimeraX™ Fire-Resistant Fully-Dry Stranded Loose Tube Non-Armored Optical Cable

- 2–24 Fibers
- Fiber Count Per Tube: 12 fibers
- Tube Material: PP
- Tube Filling: Dry core
- Fire Resistant Element: Mica tape
- Water Blocking: Water blocking yarn & water blocking tape
- Strength Member: FRP central strength member
- Cable Structure: Stranded loose tube
- Rip Cord: Included



Technical Specifications

Fiber Count [*]	2-24
Tube and Filler Count	6
Cable OD (Approx.)	12.8mm
Tensile Strength Short Term [*]	1500N
Tensile Strength Long Term [*]	600N
Crush Short Term [*]	1000N/100mm
Crush Long Term [*]	300N/100mm
Peripheral Strength Member Material	FRP

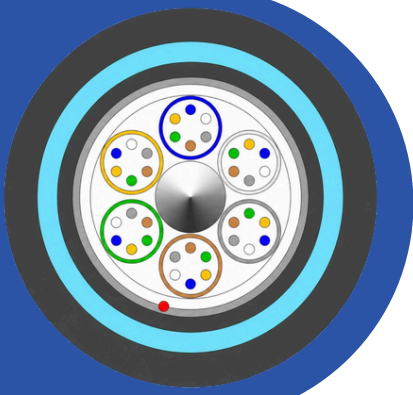
Product Configuration

Product P/N	Outer Sheath Material	Outer Sheath Color Coding	Flame Retardant Rating	Fire Resistant Rating	LSOH	Anti-Termite & Anti-Rodent [*]
20xyy3FR5114	LSOH-FR	Black	IEC 60332-1 IEC 60332-3-24	IEC 60331-25	IEC61034-2 IEC60754-1&2	-
20xyy3FR5A114						Yes (Chemical Additive)

x 'x' denotes fiber type yy 'yy' denotes fiber count [*] For special requirements please contact info@hermesys.com

ChimeraX™ Fire-Resistant Semi-Dry Stranded Loose Tube CST Armored Double-Sheath Optical Cable

- 2-96 Fibers
- Fiber Count Per Tube: 12 fibers
- Tube Filling: Jelly filled
- Tube Material: PBT
- Fire Resistant Element: Mica tape
- Water Blocking: Water blocking yarn & water blocking tape
- Strength Member: Glass yarn
- Cable Armor: Corrugated Steel Tape (CST)
- Sheath Structure: Double sheath

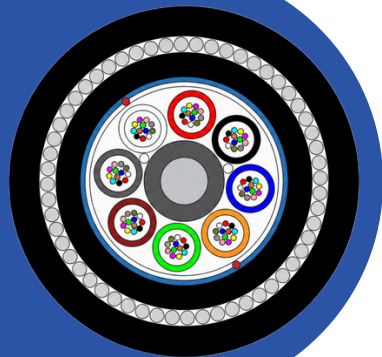


Technical Specifications		
Fiber Count	2-72	74-96
Cable OD (Approx.)	16.2mm	18.0mm
Tensile Strength Short Term [*]	3000N	
Tensile Strength Long Term [*]	1200N	
Crush Short Term [*]	1200N/100mm	
Crush Long Term [*]	360N/100mm	
Peripheral Strength Member Material	FRP	

Product Configuration						
Product P/N	Outer Sheath Material	Outer Sheath Color Coding	Flame Retardant Rating	Fire Resistant Rating	LSOH	Anti-Termite & Anti-Rodent [*]
20xyy3(3)FR2710	LSOH-FR	Black	IEC 60332-1 IEC 60332-3-24	IEC 60331-25	IEC61034-2 IEC60754-1&2	-
20xyy3(3)FR2A710						Yes (Chemical Additive)
 'x' denotes fiber type  'yy' denotes fiber count  [*]For special requirements please contact info@hermesys.com						

ChimeraX™ Fire-Resistant Fully-Dry Stranded Loose Tube SWA Armored Double-Sheath Optical Cable

- 2-96 Fibers
- Fiber Count Per Tube: 12 fibers
- Tube Filling: Dry core
- Tube Material: PP
- Fire Resistant Element: Mica tape
- Water Blocking: Water blocking yarn & water blocking tape
- Strength Member: FRP central strength member
- Cable Armor: Steel Wire Armor (SWA)
- Sheath Structure: Double sheath

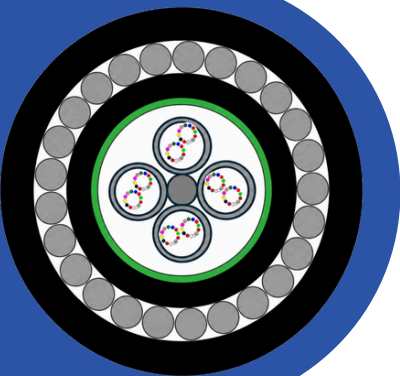


Technical Specifications		
Fiber Count	2-72	74-96
Tube and Filler Count	6	8
Cable OD (Approx.)	16.5mm	18.2mm
Tensile Strength Short Term [*]	5000N	
Tensile Strength Long Term [*]	2000N	
Crush Short Term [*]	3000N/100mm	
Crush Long Term [*]	900N/100mm	
Peripheral Strength Member Material	FRP	

Product Configuration						
Product P/N	Outer Sheath Material	Outer Sheath Color Coding	Flame Retardant Rating	Fire Resistant Rating	LSOH	Anti-Termite & Anti-Rodent [*]
20xyy3(3)FR5112	LSOH-FR	Black	IEC 60332-1 IEC 60332-3-24	IEC 60331-25	IEC61034-2 IEC60754-1&2	-
20xyy3(3)FR5A112						Yes (Chemical Additive)
x 'x' denotes fiber type yy 'yy' denotes fiber count [*] [*]For special requirements please contact info@hermesys.com						

ChimeraX™ Fire-Resistant Semi-Dry Stranded SST Tube SWA Armored Double-Sheath Optical Cable

- 2–192 Fibers
- Fiber Count Per Tube: 24 fibers
- Tube Filling: Jelly filled
- Tube Material: Stainless Steel Tube
- Water Blocking: Water blocking tape
- Strength Member: Steel wire central strength member
- Cable Armor: Steel Wire Armor (SWA)
- Sheath Structure: Double sheath



Technical Specifications

Fiber Count [*]	2-96	144	192
Tube and Filler Count	4	6	8
Cable OD (Approx.)	18.8mm	20.1mm	22.2mm
Tensile Strength Short Term [*]	5000N		
Tensile Strength Long Term [*]	2000N		
Crush Short Term [*]	3000N/100mm		
Crush Long Term [*]	900N/100mm		
Peripheral Strength Member Material	Steel Wire		

Product Configuration

Product P/N	Outer Sheath Material	Outer Sheath Color Coding	Flame Retardant Rating	Fire Resistant Rating	LSOH	Anti-Termite & Anti-Rodent [*]
20xyy3(3)FR301S2	LSOH-FR	Black	IEC 60332-1 IEC 60332-3-24	IEC 60331-25 BS6387CWZ	IEC61034-2 IEC60754-1&2	-
20xyy3(3)FR3A01S2						Yes (Chemical Additive)

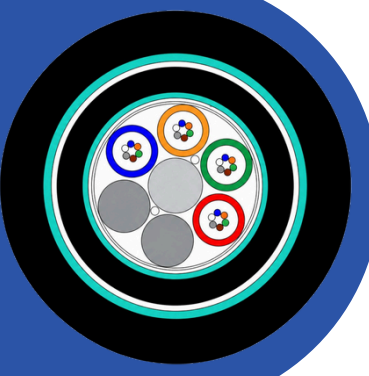
x 'x' denotes fiber type

yy 'yy' denotes fiber count

[*] For special requirements please contact info@hermesys.com

ChimeraX™ Fire-Resistant Semi-Dry Stranded Loose Tube Double-CST Armored Double-Sheath Optical Cable

- 2–24 Fibers
- Fiber Count Per Tube: 12 fibers
- Tube Filling: Jelly filled
- Tube Material: PBT
- Fire Resistant Element: 2 layers of mica tape
- Water Blocking: Water blocking yarn & water blocking tape
- Strength Member: FRP strength member
- Cable Armor: 2 layers of Corrugated Steel Tape (CST)
- Sheath Structure: Double sheath



Technical Specifications

Fiber Count [*]	24
Tube and Filler Count	6
Cable OD (Approx.)	16.8mm
Tensile Strength Short Term [*]	3000N
Tensile Strength Long Term [*]	1200N
Crush Short Term [*]	1200N/100mm
Crush Long Term [*]	360N/100mm
Peripheral Strength Member Material	FRP

Product Configuration

Product P/N	Outer Sheath Material	Outer Sheath Color Coding	Flame Retardant Rating	Fire Resistant Rating	LSOH	Anti-Termite & Anti-Rodent [*]
20xyy3(3)FR(2)2110(0)	LSOH-FR	Black	IEC 60332-1 IEC 60332-3-24	IEC 60331-25	IEC61034-2 IEC60754-1&2	-
20xyy3(3)FR(2)2A110(0)						Yes (Chemical Additive)

x 'x' denotes fiber type

yy 'yy' denotes fiber count

[*] For special requirements please contact info@hermesys.com

*ChimeraX™ Fire-Resistant Category 6A S/FTP
23AWG Copper Data Cable*



Cable Construction

Conductor	23AWG Annealed Solid Bare Copper
Insulation	Foam-skin PE
Fire Resistant Element	Mica Tape
Pair Shielding	AL-mylar foil
Overall Shielding	Tinned Copper Wire Braiding
Cable OD (Approx.)	9.5mm
Pulling Tension	110N

Electrical Performance

Frequency Max.	500MHz
Characteristic Impedance @100m	100Ω
Conductor Resistance Max. @20°C	9.38Ω/100m
Resistance Unbalance Within Pair Max.	2%
Resistance Unbalance Between Pair Max.	5%
Dielectric Strength Conductor/Screen	1.0kV 1min DC
Insulation Resistance Min. @20°C	5000MΩ/km
Mutual Capacitance Max. @1kHz @20°C	5.6nF/100m
Capacitance Unbalance Pair-to-ground Max. @1kHz @20°C	330pF/100m
Coupling Attenuation	Type II

Product Configuration

Product P/N	Outer Sheath Material [*]	Outer Sheath Color Coding [*]	Flame Retardant Rating	Fire Resistant Rating	LSOH	Anti-Termite & Anti-Rodent [*]	Package Length [*]
14743FR-500D	LSOH-FR	Black	IEC 60332-1	IEC 60331-25	IEC61034-2 IEC60754-1&2	-	500m/drum
14743FRA-500D			IEC 60332-1 IEC 60332-3-24			Yes (Chemical Additive)	

[*] For special requirements, please contact info@hermesys.com

*ChimeraX™ Fire-Resistant Category 6A S/FTP 23AWG
SWB Armored Double-Sheath Copper Data Cable*



Cable Construction

Conductor	23AWG Annealed Solid Bare Copper
Insulation	Foam-skin PE
Fire Resistant Element	Mica Tape
Pair Shielding	AL-mylar foil
Overall Shielding	Tinned Copper Wire Braiding
Aarmor Type	SWB (Steel Wire Braiding)
Cable OD (Approx.)	12.5mm
Pulling Tension	110N

Electrical Performance

Frequency Max.	500MHz
Characteristic Impedance @100m	100Ω
Conductor Resistance Max. @20°C	9.38Ω/100m
Resistance Unbalance Within Pair Max.	2%
Resistance Unbalance Between Pair Max.	5%
Dielectric Strength Conductor/Screen	1.0kV 1min DC
Insulation Resistance Min. @20°C	5000MΩ/km
Mutual Capacitance Max. @1kHz @20°C	5.6nF/100m
Capacitance Unbalance Pair-to-ground Max. @1kHz @20°C	330pF/100m
Coupling Attenuation	Type II

Product Configuration

Product P/N	Outer Sheath Material [*]	Outer Sheath Color Coding [*]	Flame Retardant Rating	Fire Resistant Rating	LSOH	Anti-Termite & Anti-Rodent [*]	Package Length [*]
14743(3)FR1-500D	LSOH-FR	Black	IEC 60332-1	IEC 60331-25	IEC61034-2 IEC60754-1&2	-	500m/drum
14743(3)FRA1-500D			IEC 60332-1 IEC 60332-3-24			Yes (Chemical Additive)	

[*] For special requirements, please contact info@hermesys.com

ChimeraX™ Fire-Resistant Category 6A S/FTP 23AWG
SWA Armored Double-Sheath Copper Data Cable



Cable Construction

Conductor	23AWG Annealed Solid Bare Copper
Insulation	Foam-skin PE
Fire Resistant Element	Mica Tape
Pair Shielding	AL-mylar foil
Overall Shielding	Tinned Copper Wire Braiding
Armor Type	GSWA (Steel Wire Armoring)
Cable OD (Approx.)	13.5mm
Pulling Tension	110N

Electrical Performance

Frequency Max.	500MHz
Characteristic Impedance @100m	100Ω
Conductor Resistance Max. @20°C	9.38Ω/100m
Resistance Unbalance Within Pair Max.	2%
Resistance Unbalance Between Pair Max.	5%
Dielectric Strength Conductor/Screen	1.0kV 1min DC
Insulation Resistance Min. @20°C	5000MΩ/km
Mutual Capacitance Max. @1kHz @20°C	5.6nF/100m
Capacitance Unbalance Pair-to-ground Max. @1kHz @20°C	330pF/100m
Coupling Attenuation	Type II

Product Configuration

Product P/N	Outer Sheath Material [*]	Outer Sheath Color Coding [*]	Flame Retardant Rating	Fire Resistant Rating	LSOH	Anti-Termite & Anti-Rodent [*]	Package Length [*]
14743(3)FR2-500D	LSOH-FR	Black	IEC 60332-1 IEC 60332-3-24	IEC 60331-25	IEC61034-2 IEC60754-1&2	-	500m/drum
14743(3)FRA2-500D						Yes (Chemical Additive)	

[*] For special requirements, please contact info@hermesys.com

ChimeraX™ Fire-Resistant Shielded Copper Alarm Cable



Electrical and Mechanical Characteristics

Conductor	Stranded Tinned Copper		
Conductor Size (Approx.)	1.0mm	1.5mm	2.5mm
Insulation	XLPE		
Fire Resistant Element	Mica Tape		
Cable Pair	1P/2P/3P/4P		
Overall Shielding	AL-mylar foil		
Outer Sheath	LSOH-FR		
Outer Sheath Color	Orange		
1 Pair Cable OD (Approx.)	9.8mm	10.0mm	11.5mm
2 Pair Cable OD (Approx.)	14.5mm	15.5mm	18.5mm
3 Pair Cable OD (Approx.)	15.5mm	16.5mm	20.0mm
4 Pair Cable OD (Approx.)	16.5mm	17.5mm	21.0mm
Conductor Resistance Max. @20°C	18.5Ω/km	12.1Ω/km	7.4Ω/km
Insulation Resistance Min. @20°C	1000MΩ/km		
Dielectric Withstand Test	2KV/Min		

Product Configuration

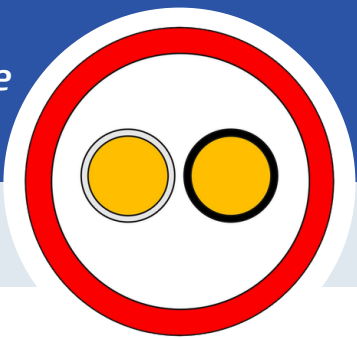
Product P/N	Conductor Size	Outer Sheath Material	Outer Sheath Color Coding [*]	Flame Retardant Rating	Fire Resistant Rating	LSOH	Package Length [*]
CC-318Cyy20FR1-1z	1.0mm ²	LSOH-FR	Black	IEC 60332-1 IEC 60332-3-22	IEC 60331 BS6387CWZ	IEC61034-2 IEC60754-1&2	305m/drum 500m/drum
CC-316Cyy20FR1-1z	1.5mm ²						
CC-314Cyy20FR1-1z	2.5mm ²						

yy 'yy' denotes conductor count

z 'z' denotes packing length

[*] For special requirements please contact info@hermesys.com

ChimeraX™ Fire-Resistant Unshielded Copper Alarm Cable



Electrical and Mechanical Characteristics

Conductor	Stranded Tinned Copper		
Conductor Size (Approx.)	1.0mm	1.5mm	2.5mm
Insulation	XLPE		
Fire Resistant Element	Mica Tape		
Cable Pair	1P/2P		
Outer Sheath	LSOH-FR		
Outer Sheath Color	Orange		
1 Pair Cable OD (Approx.)	7.5mm	8.0mm	9.0mm
2 Pair Cable OD (Approx.)	N/A	10.0mm	11.5mm
Conductor Resistance Max. @20°C	18.5Ω/km	12.1Ω/km	7.4Ω/km
Insulation Resistance Min. @20°C	2000MΩ/km		
Dielectric Withstand Test	2KV/Min		

Product Configuration

Product P/N	Conductor Size	Outer Sheath Material	Outer Sheath Color Coding [*]	Flame Retardant Rating	Fire Resistant Rating	LSOH	Package Length [*]
CC-318Cyy2FR1-1z	1.0mm ²	LSOH-FR	Black	IEC 60332-1 IEC 60332-3-22	IEC 60331 BS6387CWZ	IEC61034-2 IEC60754-1&2	305m/drum 500m/drum
CC-316Cyy2FR1-1z	1.5mm ²						
CC-314Cyy2FR1-1z	2.5mm ²						



'yy' denotes conductor count



'z' denotes packing length



[*]For special requirements please contact info@hermesys.com

FIRE-RESISTANT
OIL & GAS CABLE

ENGINEERED FOR
HARSH ENVIRONMENTS



FIRE
RESISTANT



OIL & GAS
RESISTANT

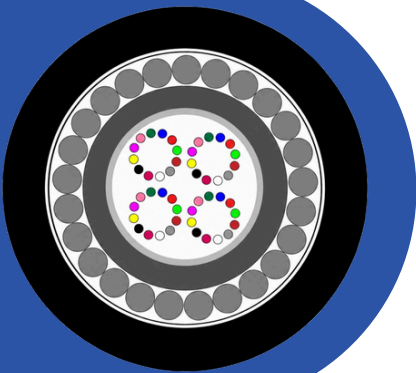


RUGGED INDUSTRIAL
PROTECTION



ChimeraX™ Oil and Fire-Resistant Marine Central Uni-Tube SST SWA Armored Optical Cable

- 2-48 Fibers
- Tube Filling: Jelly filled
- Tube Material: Stainless Steel Tube
- Cable Armor: Steel Wire Armor (SWA)
- Sheath Structure: Double sheath
- Fiber Structure: Central uni-tube

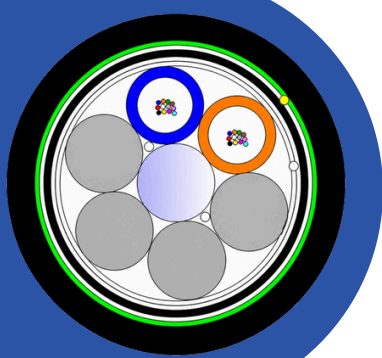


Technical Specifications	
Fiber Count [*]	2-48
Cable OD (Approx.)	13.3mm
Tensile Strength Short Term [*]	4000N
Tensile Strength Long Term [*]	1600N
Crush Short Term [*]	2000N/100mm
Crush Long Term [*]	600N/100mm

Product Configuration						
Product P/N	Inner & Outer Sheath Material	Outer Sheath Color Coding	Flame Retardant Rating	Oil & Fire Resistant & Marine Rating	LSOH	Anti-Termite & Anti-Rodent [*]
20xyy0(SF)FR050S2	PE & SHF1	Black	IEC 60332-1 IEC 60332-3-24	IEC 60331-25 IRM 902 IRM 903 IEC 60092-360	IEC61034-2 IEC60754-1&2	-
20xyy0(SF)FR0A50S2						Yes (Chemical Additive)
x 'x' denotes fiber type	yy 'yy' denotes fiber count		[*] [*]For special requirements please contact info@hermesys.com			

ChimeraX™ Oil and Fire-Resistant Marine Semi-Dry Stranded Loose Tube CST Armored Double-Sheath Optical Cable

- 2-24 Fibers
- Fiber Count Per Tube: 12 fibers
- Tube Filling: Jelly filled
- Tube Material: PBT
- Fire Resistant Element: Mica tape
- Water Blocking: Water blocking yarn & water blocking tape
- Strength Member: FRP
- Cable Armor: Corrugated Steel Tape (CST)
- Sheath Structure: Double sheath

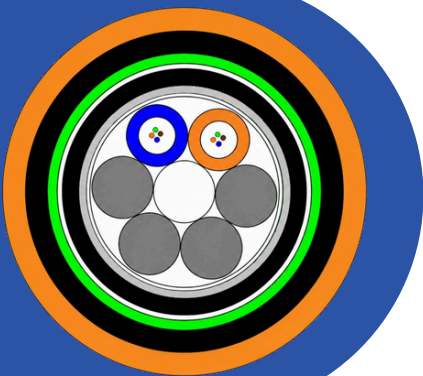


Technical Specifications	
Fiber Count [*]	2-24
Tube and Filler Count	6
Cable OD (Approx.)	14.6mm
Tensile Strength Short Term	1500N
Tensile Strength Long Term	600N
Crush Short Term	1000N/100mm
Crush Long Term	300N/100mm
Peripheral Strength Member Material	FRP

Product Configuration						
Product P/N	Inner & Outer Sheath Material	Outer Sheath Color Coding	Flame Retardant Rating	Oil & Fire Resistant & Marine Rating	LSOH	Anti-Termite & Anti-Rodent [*]
20xyy3(SF)FR2110	PE & SHF1	Black	IEC 60332-1 IEC 60332-3-24	IEC 60331-25 IRM 902 IRM 903 IEC 60092-360	IEC61034-2 IEC60754-1&2	-
20xyy3(SF)FR2A110						Yes (Chemical Additive)
x 'x' denotes fiber type yy 'yy' denotes fiber count [*] [*]For special requirements please contact info@hermesys.com						

ChimeraX™ Enhanced Oil, Toluene and Fire-Resistant Marine Semi-Dry Stranded Loose Tube SWB Armored Double-Sheath Optical Cable

- 2-24 Fibers
- Fiber Count Per Tube: 12 fibers
- Tube Filling: Jelly filled
- Tube Material: PBT
- Fire Resistant Element: Mica tape
- Water Blocking: Water blocking yarn & water blocking tape
- Cable Armor: Steel Wire Braiding (SWB)
- Outer Sheath: PA12 outer sheath
- Sheath Material: SHF2 sheath
- Sheath Structure: Double sheath



Technical Specifications

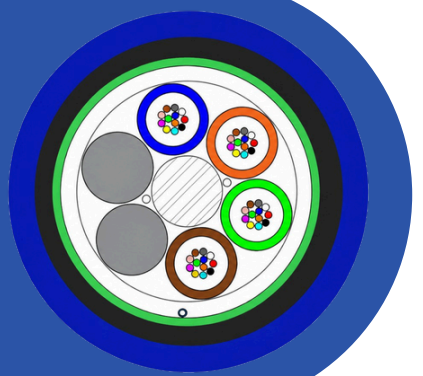
Fiber Count [*]	2-24
Tube and Filler Count	6
Cable OD (Approx.)	15.1mm
Tensile Strength Short Term	1500N
Tensile Strength Long Term	600N
Crush Short Term	1000N/100mm
Crush Long Term	300N/100mm
Peripheral Strength Member Material	FRP

Product Configuration

Product P/N	Inner & Outer Sheath Material	Outer Sheath Color Coding	Flame Retardant Rating	Oil & Fire Resistant & Marine Rating	LSOH
20xyy2(SFE4)FR2111	LSOH & SHF2 & Nylon	Orange	IEC 60332-1 IEC 60332-3-24	IEC 60331-25 IRM 902 IRM 903 IEC 60092-360	IEC61034-2 IEC60754-1&2
x 'x' denotes fiber type yy 'yy' denotes fiber count [*] [*]For special requirements please contact info@hermesys.com					

ChimeraX™ Oil and Toluene-Resistant Semi-Dry Stranded Loose Tube CST Armored Optical Cable

- 2-96 Fibers
- Fiber Count Per Tube: 12 fibers
- Tube Filling: Jelly filled
- Tube Material: PBT
- Toluene Resistant Element: Nylon outer sheath
- Water Blocking: Water blocking yarn & water blocking tape
- Cable Armor: Corrugated Steel Tape (CST)
- Sheath Structure: Nylon outer sheath & HDPE inner sheath



Technical Specifications

Fiber Count [*]	12	96
Tube and Filler Count	6	8
Cable OD (Approx.)	11.3mm	13.3mm
Tensile Strength Short Term	2000N	
Tensile Strength Long Term	800N	
Crush Short Term	2000N/100mm	
Crush Long Term	600N/100mm	
Peripheral Strength Member Material	FRP	

Product Configuration

Product P/N	Inner & Outer Sheath Material	Outer Sheath Color Coding	Flame Retardant Rating	Oil & Toluene Resistant Rating
20xyy0(4)2110	PE & Nylon	Black	IEC 60332-1	IRM 902 IRM 903
x 'x' denotes fiber type yy 'yy' denotes fiber count [*] [*]For special requirements please contact info@hermesys.com				

ChimeraX™ Oil and Toluene-Resistant Semi-Dry Stranded Loose Tube CST Armored Double-Sheath Optical Cable

- 2-96 Fibers
- Fiber Count Per Tube: 12 fibers
- Tube Filling: Jelly filled
- Tube Material: PBT
- Toluene Resistant Element: Nylon outer sheath
- Water Blocking: Water blocking yarn & water blocking tape
- Cable Armor: Corrugated Steel Tape (CST)
- Sheath Structure: Multi-layer nylon & HDPE sheath



Technical Specifications

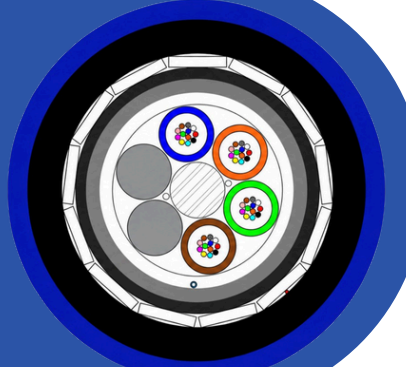
Fiber Count [*]	12	96
Tube and Filler Count	6	8
Cable OD (Approx.)	13.4mm	15.5mm
Tensile Strength Short Term	4000N	
Tensile Strength Long Term	1600N	
Crush Short Term	3000N/100mm	
Crush Long Term	900N/100mm	
Peripheral Strength Member Material	FRP	

Product Configuration

Product P/N	Inner & Outer Sheath Material	Outer Sheath Color Coding	Flame Retardant Rating	Oil & Toluene Resistant Rating
20xyy0(404)2110	Double PE & Nylon	Black	IEC 60332-1	IRM 902 IRM 903
x 'x' denotes fiber type yy 'yy' denotes fiber count [*] [*]For special requirements please contact info@hermesys.com				

ChimeraX™ Oil and Toluene-Resistant Semi-Dry Stranded Loose Tube Flat FRP Armored Double-Sheath Optical Cable

- 2-96 Fibers
- Fiber Count Per Tube: 12 fibers
- Tube Filling: Jelly filled
- Tube Material: PBT
- Toluene Resistant Element: Nylon outer sheath
- Water Blocking: Water blocking yarn & water blocking tape
- Cable Armor: Flat FRP Armored
- Sheath Structure: Multi-layer nylon & HDPE sheath



Technical Specifications

Fiber Count [*]	12	96
Tube and Filler Count	6	8
Cable OD (Approx.)	13.6mm	15.7mm
Tensile Strength Short Term	4000N	
Tensile Strength Long Term	1600N	
Crush Short Term	4000N/100mm	
Crush Long Term	1200N/100mm	
Peripheral Strength Member Material	FRP	

Product Configuration

Product P/N	Inner & Outer Sheath Material	Outer Sheath Color Coding	Flame Retardant Rating	Oil & Toluene Resistant Rating
20xyy0(404)2116	Double PE & Nylon	Black	IEC 60332-1	IRM 902 IRM 903
x 'x' denotes fiber type yy 'yy' denotes fiber count [*] [*]For special requirements please contact info@hermesys.com				

*ChimeraX™ Oil-Resistant Marine Category 7 S/FTP SWB
Armored Double-Sheath Copper Data Cable*



Cable Construction	
Specification	Category 7 S/FTP 23AWG
Conductor	23AWG Annealed Solid Bare Copper
Insulation	Foam-skin PE
Pair Shielding	AL-mylar foil
Overall Shielding	Tinned Copper Wire Braiding
Cable OD (Approx.)	11.3mm
Pulling Tension	110N

Electrical Performance	
Specification	Category 7 S/FTP 23AWG
Frequency Max.	600MHz
Characteristic Impedance @100m	100Ω
Conductor Resistance Max. @20°C	9.5Ω/100m
Resistance Unbalance Within Pair Max.	2%
Resistance Unbalance Between Pair Max.	5%
Dielectric Strength Conductor/Screen	1.0kV 1min DC
Insulation Resistance Min. @20°C	5000MΩ/km
Mutual Capacitance Max. @1kHz @20°C	5.6nF/100m
Capacitance Unbalance Pair-to-ground Max. @1kHz @20°C	160pF/100m
Coupling Attenuation	Type II

Product Configuration							
Product P/N	Inner & Outer Sheath Material	Outer Sheath Color Coding	Flame Retardant Rating	Oil Resistant & Marine Rating	LSOH	Anti-Termite & Anti-Rodent [*]	Package Length [*]
14843SF(SF)1-500D	SHF1	Black	IEC 60332-1 IEC 60332-3-24	IRM 902 IRM 903 IEC 60092-360	IEC61034-2 IEC60754-1&2	-	500m/drum
14843SF(SF)A1-500D						Yes (Chemical Additive)	
[*] For special requirements, please contact info@hermesys.com							

*ChimeraX™ Oil-Resistant Marine Category 6A
S/FTP 24AWG Copper Data Cable*



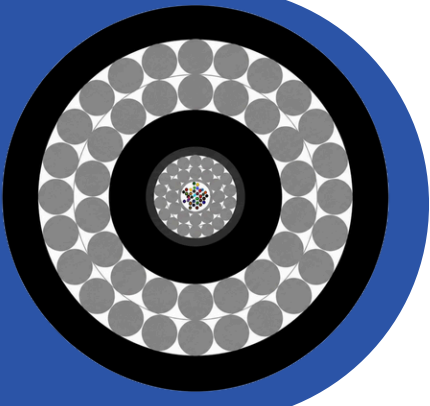
Cable Construction	
Conductor	24AWG Annealed Solid Bare Copper
Insulation	Foam-skin PE
Pair Shielding	AL-mylar foil
Overall Shielding	Tinned Copper Wire Braiding
Cable OD (Approx.)	8.3mm
Pulling Tension	110N

Electrical Performance	
Frequency Max.	500MHz
Characteristic Impedance @100m	100Ω
Conductor Resistance Max. @20°C	14.5Ω/100m
Resistance Unbalance Within Pair Max.	2%
Resistance Unbalance Between Pair Max.	5%
Dielectric Strength Conductor/Screen	1.0kV 1min DC
Insulation Resistance Min. @20°C	5000MΩ/km
Mutual Capacitance Max. @1kHz @20°C	5.6nF/100m
Capacitance Unbalance Pair-to-ground Max. @1kHz @20°C	330pF/100m
Coupling Attenuation	Type II

Product Configuration							
Product P/N	Outer Sheath Material	Outer Sheath Color Coding	Flame Retardant Rating	Oil Resistant & Marine Rating	LSOH	Anti-Termite & Anti-Rodent [*]	Package Length [*]
14743SF-500D	LSOH-FR	Black	IEC 60332-1 IEC 60332-3-24	IEC 60331-25	IEC61034-2 IEC60754-1&2	-	500m/drum
14743SFA-500D						Yes (Chemical Additive)	
[*] For special requirements, please contact info@hermesys.com							

ChimeraX™ Explosion-Proof and Fire-Resistant SST Central Uni-Tube CST and Quadruple-SWA Armored Double-Sheath Optical Cable

- 2–96 Fibers
- Fiber Structure: SST central uni-tube
- Tube Filling: Jelly filled
- Tube Material: Stainless Steel Tube
- Water Blocking: Compound & tape
- Cable Armor: SST tape & quadruple SWA
- Sheath Protection: Double HDPE sheath
- Protection: Explosion-proof & fire-resistant design



Technical Specifications

Fiber Count [*]	48	96
Cable OD (Approx.)	36.1mm	38.5mm
Ultimate Tensile Strength (UTS)	560kN	
Nominal Transient Tensile Load (NTTS)	390kN	
Nominal Operating Tensile Load (NOTS)	220kN	
Nominal Permanent Tensile Load (NPTS)	135kN	
Crush	43kN	

Product Configuration

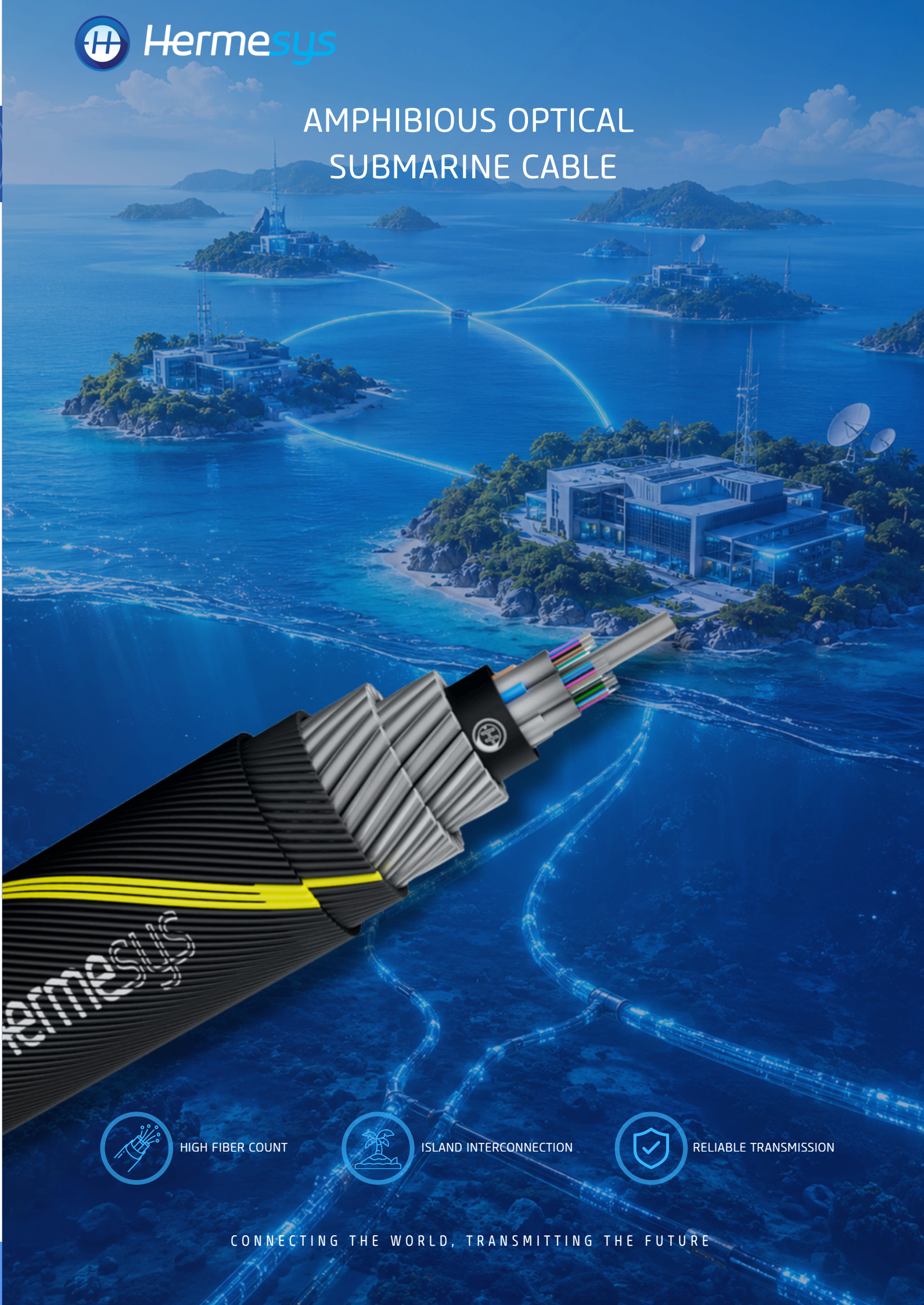
Product P/N	Inner & Outer Sheath Material	Outer Sheath Color Coding	Fire Resistant Rating	Anti-Termite & Anti-Rodent [*]
26xyy0(0)150S2(222)	PE	Black	IEC 60331-25	-
26xyy0(0)1A50S2(222)				Yes (Chemical Additive)

 'x' denotes fiber type

 'yy' denotes fiber count

 [*] For special requirements please contact info@hermesys.com

AMPHIBIOUS OPTICAL
SUBMARINE CABLE



 HIGH FIBER COUNT

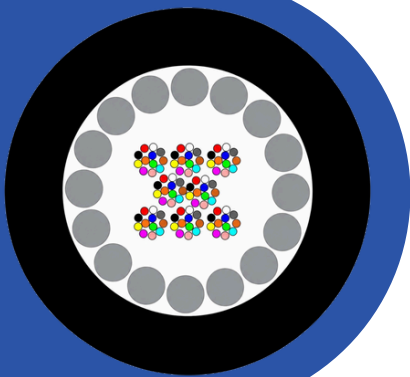
 ISLAND INTERCONNECTION

 RELIABLE TRANSMISSION

CONNECTING THE WORLD, TRANSMITTING THE FUTURE

ChimeraX™ Amphibious and Submarine Fire-Resistant SST Center Uni-Tube Optical Cable, SWA Armored

- 2–144 Fibers
- Tube Filling: Jelly filled
- Tube Material: Stainless Steel Tube
- Fire Resistant Element: Fire-resistant structure
- Cable Armor: Steel Wire Armor (SWA)
- Sheath Structure: Armored outer sheath
- Drum Length: 20 km/drum



Technical Specifications

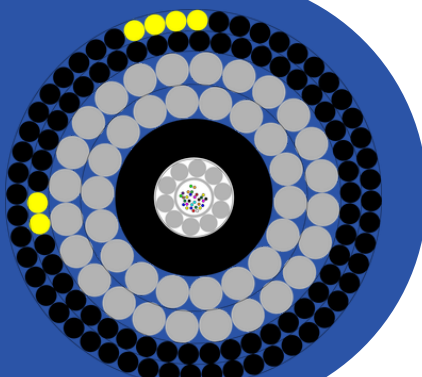
Fiber Count [*]	96
Cable OD (Approx.)	13.0mm
Ultimate Tensile Strength (UTS)	40kN
Nominal Transient Tensile Load (NTTS)	30kN
Nominal Operating Tensile Load (NOTS)	20kN
Nominal Permanent Tensile Load (NPTS)	10kN
Crush	10kN

Product Configuration

Product P/N	Outer Sheath Material	Outer Sheath Color Coding	Flame Retardant Rating	Fire Resistant Rating	LSOH	Anti-Termite & Anti-Rodent [*]
20xyy2050S2	LSOH	Black	IEC 60332-1	IEC 60331-25	IEC61034-2 IEC60754-1&2	-
20xyy0(SF)FR0A50S2						Yes (Chemical Additive)
x 'x' denotes fiber type yy 'yy' denotes fiber count [*] [*]For special requirements please contact info@hermesys.com						

ChimeraX™ Amphibious and Submarine Fire-Resistant SST Center Uni-Tube Triple-SWA Armored Double-Sheath Optical Cable

- 2–144 Fibers
- Fiber Structure: SST center uni-tube
- Tube Filling: Jelly filled
- Tube Material: Stainless Steel Tube
- Water Blocking: Water blocking tape & asphalt
- Cable Armor: Triple Steel Wire Armor (SWA)
- Sheath Structure: Double sheath
- Outer Protection: Asphalt & PP rope
- Application Environment: Amphibious & submarine



Technical Specifications

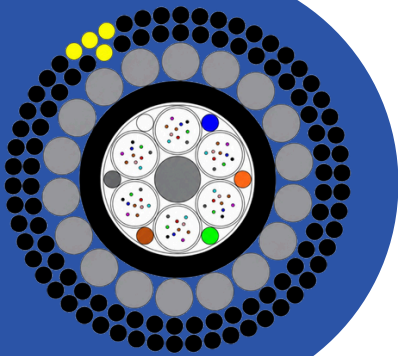
Fiber Count [*]	144
Cable OD (Approx.)	36.0mm
Ultimate Tensile Strength (UTS)	510kN
Nominal Transient Tensile Load (NTTS)	310kN
Nominal Operating Tensile Load (NOTS)	180kN
Nominal Permanent Tensile Load (NPTS)	100kN
Crush	50kN

Product Configuration

Product P/N	Inner & Outer Sheath Material	Outer Sheath Color Coding	Fire Resistant Rating
26xyy0(82)150S2(22)	PE & PP Yarn	Black	IEC 60331-25
[*] For special requirements please contact info@hermesys.com			

ChimeraX™ Amphibious and Submarine Fire-Resistant Semi-Dry Stranded SST Tube SWA Armored Double-Sheath Optical Cable

- 2-864 Fibers
- Fiber Structure: Stranded SST tube
- Tube Filling: Jelly filled
- Tube Material: Stainless Steel Tube
- Water Blocking: Asphalt & water blocking tape
- Cable Armor: Steel Wire Armor (SWA)
- Sheath Structure: Double sheath
- Environmental Resistance: Amphibious & submarine
- Fire Resistance: Fire-resistant cable design



Technical Specifications

Fiber Count [*]	864
Cable OD (Approx.)	43.2mm
Ultimate Tensile Strength (UTS)	650kN
Nominal Transient Tensile Load (NTTS)	480kN
Nominal Operating Tensile Load (NOTS)	300kN
Nominal Permanent Tensile Load (NPTS)	200kN
Crush	30kN

Product Configuration

Product P/N	Inner & Outer Sheath Material	Outer Sheath Color Coding	Fire Resistant Rating
26xyy0(82)101F1DD2	PE & PP Yarn	Black	IEC 60331-25



'x' denotes fiber type



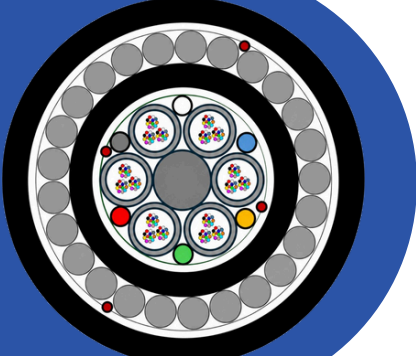
'yy' denotes fiber count



[*]For special requirements please contact info@hermesys.com

ChimeraX™ Amphibious and Submarine Fire-Resistant Semi-Dry Stranded SST Tube SWA Armored Double-Sheath Optical Cable

- 2-192 Fibers
- Fiber Structure: Stranded SST tube
- Tube Filling: Jelly filled
- Tube Material: Stainless Steel Tube
- Water Blocking: Asphalt & water blocking tape
- Strength Member: Center strength member
- Cable Armor: Steel Wire Armor (SWA)
- Sheath Structure: Double sheath
- Outer Protection: Adhesive-coated tape
- Environmental Resistance: Amphibious & submarine



Technical Specifications

Fiber Count [*]	192
Cable OD (Approx.)	28.3mm
Ultimate Tensile Strength (UTS)	220kN
Nominal Transient Tensile Load (NTTS)	160kN
Nominal Operating Tensile Load (NOTS)	120kN
Nominal Permanent Tensile Load (NPTS)	80kN
Crush	20kN

Product Configuration

Product P/N	Inner & Outer Sheath Material	Outer Sheath Color Coding	Flame Retardant Rating	Fire Resistant Rating	LSOH	Anti-Termite & Anti-Rodent [*]
26xyy0(3)101FZ2	PE & PP Yarn	Black	IEC 60332-1 IEC 60332-24	IEC 60331-25	IEC61034-2 IEC60754-1&2	
26xyy0(3)1A01FZ2						Yes (Chemical Additive)



'x' denotes fiber type



'yy' denotes fiber count



[*]For special requirements please contact info@hermesys.com

CONTROL CABLE

Stable signal transmission for industrial control applications

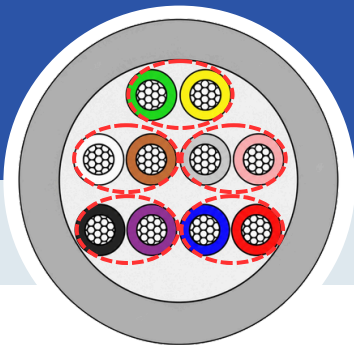
 **Shielded Structure**
Protects against EMI and electrical noise

 **Twisted Conductors**
Minimizes crosstalk for stable signal integrity

 **Reliable Performance**
Built for demanding industrial environments



ChimeraX™ UL 2464 Unshielded Control Cable



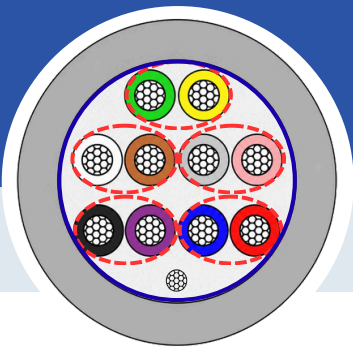
Electrical and Mechanical Characteristics

Conductor	Stranded Tinned Copper				
	16AWG	18AWG	20AWG	22AWG	24AWG
Conductor Size (Approx.)					
Insulation	SR-PVC				
Cable Pair [*]	1P - 10P				
Outer Sheath	PVC/LSOH				
Outer Sheath Color [*]	Grey				
1 Pair Cable OD (Approx.)	5.8mm	5.1mm	4.5mm	4.1mm	3.8mm
2 Pair Cable OD (Approx.)	8.7mm	7.5mm	6.5mm	5.9mm	5.3mm
3 Pair Cable OD (Approx.)	9.3mm	8.0mm	7.0mm	6.2mm	5.7mm
4 Pair Cable OD (Approx.)	10.2mm	8.8mm	7.7mm	6.8mm	6.2mm
5 Pair Cable OD (Approx.)	11.2mm	9.6mm	8.4mm	7.4mm	6.7mm
Conductor Resistance Max. @20°C	14.6Ω/km	23.2Ω/km	36.7Ω/km	59.4Ω/km	94.2Ω/km

Product Configuration

Product P/N	Outer Sheath Material	Outer Sheath Color Coding [*]	Flame Retardant Rating	LSOH	Package Length [*]
CC-1xxVyy151-0z	PVC	Grey	IEC 60332-1	-	305m/drum 500m/drum
CC-1xxVyy251-0z	LSOH			IEC61034-2 IEC60754-1&2	
xx 'xx' denotes conductor size	yy 'yy' denotes conductor count	z 'z' denotes packing length	[*] [*]For special requirements please contact info@hermesys.com		

ChimeraX™ UL 2464 Shielded Control Cable



Electrical and Mechanical Characteristics

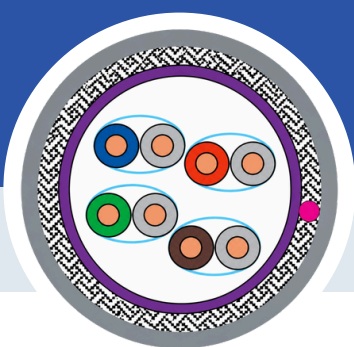
Conductor	Stranded Tinned Copper				
Conductor Size (Approx.)	16AWG	18AWG	20AWG	22AWG	24AWG
Insulation	SR-PVC				
Overall Shielding	AL-mylar foil				
Cable Pair [*]	1P - 10P				
Outer Sheath	PVC/LSOH				
Outer Sheath Color [*]	Grey				
1 Pair Cable OD (Approx.)	5.8mm	5.1mm	4.5mm	4.1mm	3.8mm
2 Pair Cable OD (Approx.)	8.8mm	7.6mm	6.6mm	6.0mm	5.4mm
3 Pair Cable OD (Approx.)	9.3mm	8.0mm	7.1mm	6.3mm	5.8mm
4 Pair Cable OD (Approx.)	10.3mm	8.8mm	7.7mm	6.9mm	6.3mm
5 Pair Cable OD (Approx.)	11.3mm	9.7mm	8.5mm	7.5mm	6.8mm
Conductor Resistance Max. @20°C	14.6Ω/km	23.2Ω/km	36.7Ω/km	59.4Ω/km	94.2Ω/km
Voltage	300V				

Product Configuration

Product P/N	Outer Sheath Material	Outer Sheath Color Coding [*]	Flame Retardant Rating	LSOH	Package Length [*]
CC-1xxVyy101-0z	PVC	Grey	IEC 60332-1	-	305m/drum 500m/drum
CC-1xxVyy201-0z	LSOH			IEC61034-2 IEC60754-1&2	

xx 'xx' denotes conductor size yy 'yy' denotes conductor count z 'z' denotes packing length [*] For special requirements please contact info@hermesys.com

ChimeraX™ UL 2919 Shielded Control Cable



Electrical and Mechanical Characteristics

Conductor	Stranded Tinned Copper			
Conductor Size (Approx.)	18AWG	20AWG	22AWG	24AWG
Insulation	HDPE			
Pair Shielding	AL-mylar foil			
1 st Overall Shielding	AL-mylar foil			
2 nd Overall Shielding	Tinned Copper Wire Braiding			
Cable Pair [*]	1P/2P/4P			
Outer Sheath	PVC/LSOH			
Outer Sheath Color [*]	Grey			
1 Pair Cable OD (Approx.)	7.5mm	7.0mm	6.5mm	6.3mm
2 Pair Cable OD (Approx.)	10.3mm	9.3mm	9.8mm	9.0mm
4 Pair Cable OD (Approx.)	12.8mm	11.5mm	11.5mm	10.2
Conductor Resistance Max. @20°C	23.2Ω/km	36.7Ω/km	58Ω/km	89Ω/km
Voltage	30V			

Product Configuration

Product P/N	Outer Sheath Material	Outer Sheath Color Coding [*]	Flame Retardant Rating	LSOH	Package Length [*]
CC-4xxyy16(04)1-0z	PVC	Grey	IEC 60332-1	-	305m/drum 500m/drum
CC-4xxyy26(04)1-0z	LSOH			IEC61034-2 IEC60754-1&2	

xx 'xx' denotes conductor size yy 'yy' denotes conductor count z 'z' denotes packing length [*] For special requirements please contact info@hermesys.com

ChimeraX™ RS 485 Shielded Control Cable



Electrical and Mechanical Characteristics

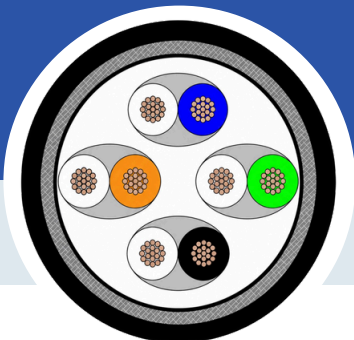
Conductor	Stranded Tinned Copper			
Conductor Size (Approx.)	16AWG	18AWG	22AWG	24AWG
Insulation	Foam PE			
1 st Overall Shielding	AL-mylar foil			
2 nd Overall Shielding	Tinned Copper Wire Braiding			
Cable Pair [*]	1P/2P/3P/4P			
Outer Sheath	PVC/LSOH			
Outer Sheath Color [*]	Grey			
1 Pair Cable OD (Approx.)	10.0mm	9.1mm	6.5mm	6.2mm
2 Pair Cable OD (Approx.)	14.7mm	13.2mm	9.0mm	8.5mm
3 Pair Cable OD (Approx.)	16.0mm	14.3mm	9.5mm	9.1mm
4 Pair Cable OD (Approx.)	17.5mm	15.6mm	11.5mm	9.8mm
Conductor Resistance Max. @20°C	14.6Ω/km	23.2Ω/km	57.4Ω/km	89Ω/km
Characteristic Impedance	120Ω			
Voltage	300V			

Product Configuration

Product P/N	Outer Sheath Material	Outer Sheath Color Coding [*]	Flame Retardant Rating	LSOH	Package Length [*]
CC-2xxFyy1041-0z	PVC	Grey	IEC 60332-1		305m/drum 500m/drum
CC-2xxFyy2041-0z	LSOH			IEC61034-2 IEC60754-1&2	

xx 'xx' denotes conductor size yy 'yy' denotes conductor count z 'z' denotes packing length [*] For special requirements please contact info@hermesys.com

ChimeraX™ Shielded General Control Cable with PE Insulation



Electrical and Mechanical Characteristics

Conductor	Stranded Tinned Copper			
Conductor Size (Approx.)	16AWG	18AWG	20AWG	22AWG
Insulation	PE			
Overall Shielding	AL-mylar foil			
Cable Pair [*]	1P-15P			
Outer Sheath	PVC/LSOH			
Outer Sheath Color [*]	Grey			
1 Pair Cable OD (Approx.)	8.0mm	5.6mm	5.2mm	4.6mm
2 Pair Cable OD (Approx.)	10.9mm	7.9mm	7.4mm	6.7mm
5 Pair Cable OD (Approx.)	16.0mm	11.5mm	10.9mm	9.9mm
10 Pair Cable OD (Approx.)	21.0mm	15.8mm	14.8mm	13.1mm
15 Pair Cable OD (Approx.)	24.6mm	19.0mm	17.8mm	16.5mm
Conductor Resistance Max. @20°C	16.5Ω/km	22.7Ω/km	36.7Ω/km	58Ω/km
Voltage	300V			

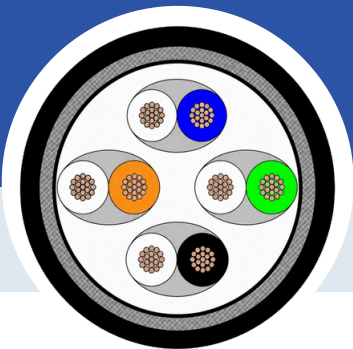
Product Configuration

Product P/N	Outer Sheath Material	Outer Sheath Color Coding [*]	Flame Retardant Rating	LSOH	Package Length [*]
CC-7xxyy101-0z	PVC	Grey	IEC 60332-1		305m/drum 500m/drum
CC-7xxyy201-0z	LSOH			IEC61034-2 IEC60754-1&2	

xx 'xx' denotes conductor size yy 'yy' denotes conductor count z 'z' denotes packing length [*] For special requirements please contact info@hermesys.com

ChimeraX™ General Shielded Control Cable

16AWG / 18AWG / 22AWG, AL-Mylar Foil Shielded, PVC or PP Insulation



ChimeraX™ Unshielded Instrumentation Control Cable with PVC Insulation

Standard: IEC 60502-1



Electrical and Mechanical Characteristics

Item	16AWG	18AWG	22AWG
Conductor	Stranded Tinned Copper		
Conductor Size (Approx.)	16AWG	18AWG	22AWG
Insulation	PVC	PVC	PP
Overall Shielding	AL-mylar foil		
Cable Pair [*]	1P-15P	1P	1P / 2P / 3P
Outer Sheath	PVC/LSOH		
Outer Sheath Color [*]	Grey		
1 Pair Cable OD (Approx.)	7.0mm	6.0mm	3.8mm
2 Pair Cable OD (Approx.)	9.5mm	-	5.2mm
5 Pair Cable OD (Approx.)	14.5mm	-	7.0mm
10 Pair Cable OD (Approx.)	19.5mm	-	-
15 Pair Cable OD (Approx.)	23.5mm	-	-
Conductor Resistance Max. @20°C	16.5Ω/km	22.5Ω/km	58Ω/km
Voltage	300V		

Product Configuration

Product P/N	Conductor Size	Inner & Outer Sheath Material	Outer Sheath Color Coding [*]	Flame Retardant Rating	LSOH	Package Length [*]
CC-716Vyy151-0z	16AWG	PVC	Grey	IEC 60332-1		305m/drum 500m/drum
CC-716Vyy251-0z		LSOH			IEC61034-2 IEC60754-1&2	
CC-718V01102-0z	18AWG	PVC				
CC-718V01102-0z		LSOH			IEC61034-2 IEC60754-1&2	
CC-722Pyy101-0z	22AWG	PVC				
CC-722Pyy201-0z		LSOH			IEC61034-2 IEC60754-1&2	
yy 'yy' denotes conductor count z 'z' denotes packing length [*] [*]For special requirements please contact info@hermesys.com						

Electrical and Mechanical Characteristics

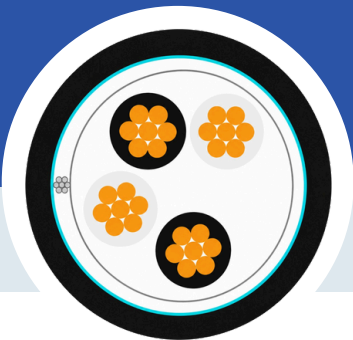
Conductor	Stranded Bare Copper		
Conductor Size (Approx.)	0.75mm	1.5mm	2.5mm
Insulation	PVC		
Cable Pair [*]	1P-24P		
Outer Sheath	PVC		
Outer Sheath Color [*]	Black		
1 Pair Cable OD (Approx.)	10.5mm	11.5mm	12.5mm
2 Pair Cable OD (Approx.)	14.5mm	16.5mm	18.0mm
5 Pair Cable OD (Approx.)	18.5mm	20.5mm	22.5mm
10 Pair Cable OD (Approx.)	23.0mm	26.0mm	29.0mm
15 Pair Cable OD (Approx.)	25.5mm	29.5mm	32.5mm
20 Pair Cable OD (Approx.)	28.0mm	32.0mm	36.0mm
Conductor Resistance Max. @20°C	24.5Ω/km	12.1Ω/km	7.41Ω/km
Voltage	600V/1000V		

Product Configuration

Product P/N	Outer Sheath Material	Outer Sheath Color Coding [*]	Flame Retardant Rating	Package Length [*]
CC-7MxxVyy152-2z	PVC	Black	IEC 60332-1	305m/drum 500m/drum
xx 'xx' denotes conductor size yy 'yy' denotes conductor count z 'z' denotes packing length [*] [*]For special requirements please contact info@hermesys.com				

*ChimeraX™ Shielded Instrumentation Control Cable
with XLPE/LSOH Insulation*

Standard: BS PAS 5308



Electrical and Mechanical Characteristics

Conductor	Stranded Bare Copper			
Conductor Size (Approx.)	0.5mm	0.75mm	1.0mm	1.5mm
Insulation	XLPE/LSOH (LSOH Outer Sheath)			
Overall Shielding	AL-mylar foil			
Cable Pair [*]	1P-50P			
Outer Sheath	PVC/LSOH			
Outer Sheath Color [*]	Black			
1 Pair Cable OD (Approx.)	7.0mm	7.3mm	7.4mm	8.3mm
2 Pair Cable OD (Approx.)	7.9mm	8.3mm	8.4mm	9.7mm
5 Pair Cable OD (Approx.)	13.1mm	14.3mm	14.2mm	16.4mm
10 Pair Cable OD (Approx.)	17.2mm	18.7mm	18.4mm	21.6mm
20 Pair Cable OD (Approx.)	22.3mm	24.5mm	24.4mm	28.5mm
50 Pair Cable OD (Approx.)	33.9mm	37.4mm	37.3mm	43.6mm
Conductor Resistance Max. @20°C	36.0Ω/km	24.5Ω/km	18.1Ω/km	12.1Ω/km
Voltage	300V/500V			

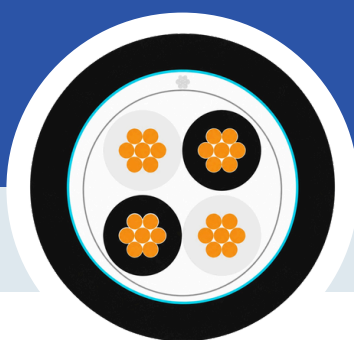
Product Configuration

Product P/N	Outer Sheath Material	Outer Sheath Color Coding [*]	Flame Retardant Rating	LSOH	Package Length [*]
CC-7Mxxayy102-2z	PVC	Black	IEC 60332-1	-	305m/drum 500m/drum
CC-7Mxxayy202-2z	LSOH			IEC61034-2 IEC60754-1&2	-

 'xx' denotes conductor size  'a' denotes insulation material  'yy' denotes conductor count  'z' denotes packing length  [*]For special requirements please contact info@hermesys.com

*ChimeraX™ Shielded Instrumentation Control Cable
with PVC-T12 Insulation*

Standard: EN 50288-7



Electrical and Mechanical Characteristics

Conductor	Stranded Tinned Copper				
Conductor Size (Approx.)	0.5mm	0.75mm	1.0mm	1.5mm	2.5mm
Insulation	PVC-T12				
Overall Shielding	AL-mylar foil				
Cable Core	2C/3C/4C				
Outer Sheath	PVC-TM2				
Outer Sheath Color [*]	Black				
2C 1 Set Cable OD (Approx.)	6.4mm	6.8mm	7.2mm	8.0mm	9.3mm
2C 2 Set Cable OD (Approx.)	9.5mm	10.1mm	11.0mm	11.9mm	14.3mm
2C 5 Set Cable OD (Approx.)	12.2mm	13.3mm	14.1mm	15.4mm	18.6mm
2C 10 Set Cable OD (Approx.)	17.3mm	18.6mm	20.0mm	22.0mm	26.7mm
2C 20 Set Cable OD (Approx.)	21.6mm	23.5mm	25.1mm	27.9mm	34.1mm
2C 30 Set Cable OD (Approx.)	26.6mm	28.9mm	30.9mm	34.4mm	41.8mm
3C 1 Set Cable OD (Approx.)	6.7mm	7.2mm	7.8mm	8.4mm	9.8mm
3C 2 Set Cable OD (Approx.)	10.6mm	11.4mm	12.1mm	13.2mm	15.8mm
3C 3 Set Cable OD (Approx.)	11.2mm	12.0mm	12.8mm	14.2mm	17.0mm
4C 1 Set Cable OD (Approx.)	7.5mm	8.0mm	8.4mm	9.2mm	10.9mm
4C 2 Set Cable OD (Approx.)	12.9mm	14.1mm	15.0mm	16.6mm	20.0mm
4C 3 Set Cable OD (Approx.)	14.0mm	15.0mm	16.0mm	17.7mm	21.3mm
Conductor Resistance Max. @20°C	24.5Ω/km	12.1Ω/km	7.41Ω/km	12.1mm	7.41mm
Voltage	300V/500V				

Product Configuration

Product P/N	Outer Sheath Material	Outer Sheath Color Coding [*]	Flame Retardant Rating	Package Length [*]
CC-7MxxVyy102-2z	PVC	Black	IEC 60332-1	305m/drum 500m/drum

 'xx' denotes conductor size  'yy' denotes conductor count  'z' denotes packing length  [*]For special requirements please contact info@hermesys.com

ChimeraX™ Shielded FF Instrumentation Control Cable with PVC-T12 Insulation

Standard: EN 50288-7



Electrical and Mechanical Characteristics

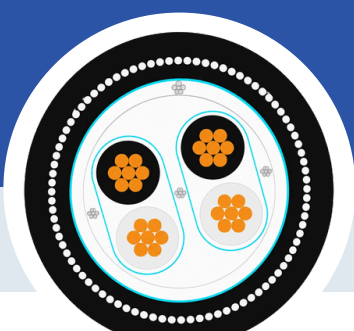
Conductor	Stranded Tinned Copper				
Conductor Size (Approx.)	0.5mm	0.75mm	1.0mm	1.5mm	2.5mm
Insulation	PVC-T12				
Overall Shielding	AL-mylar foil				
Cable Core	2C/3C/4C				
Outer Sheath	PVC-TM2				
Outer Sheath Color [*]	Black				
2C 2 Set Cable OD (Approx.)	10.8mm	11.5mm	12.2mm	13.2mm	15.7mm
2C 5 Set Cable OD (Approx.)	13.9mm	14.8mm	15.7mm	17.4mm	20.7mm
2C 10 Set Cable OD (Approx.)	19.7mm	21.1mm	22.6mm	24.7mm	29.8mm
2C 20 Set Cable OD (Approx.)	24.7mm	26.7mm	28.6mm	31.5mm	37.9mm
2C 30 Set Cable OD (Approx.)	30.3mm	32.8mm	35.1mm	38.7mm	46.7mm
2C 2 Set Cable OD (Approx.)	11.9mm	12.7mm	13.6mm	14.8mm	17.7mm
2C 3 Set Cable OD (Approx.)	12.6mm	13.7mm	14.5mm	15.8mm	18.8mm
2C 2 Set Cable OD (Approx.)	13.8mm	14.8mm	15.7mm	17.3mm	20.7mm
2C 3 Set Cable OD (Approx.)	14.7mm	15.7mm	16.9mm	18.4mm	22.0mm
Conductor Resistance Max. @20°C	36.0Ω/km	24.5Ω/km	18.1Ω/km	12.1mm	7.41mm
Voltage	300V/500V				

Product Configuration

Product P/N	Outer Sheath Material	Outer Sheath Color Coding [*]	Flame Retardant Rating	Package Length [*]
CC-7MxxVyy1602-2z	PVC	Black	IEC 60332-1	305m/drum 500m/drum
xx 'xx' denotes conductor size yy 'yy' denotes conductor count z 'z' denotes packing length [*] [*]For special requirements please contact info@hermesys.com				

ChimeraX™ Shielded FF SWA Armored Double-Sheath PVC-T12 Instrumentation Control Cable

Standard: EN 50288-7



Electrical and Mechanical Characteristics

Conductor	Stranded Tinned Copper				
Conductor Size (Approx.)	0.5mm	0.75mm	1.0mm	1.5mm	2.5mm
Insulation	PVC-T12				
Individual/Overall Shielding	AL-mylar foil				
Cable Core	2C/3C/4C				
Outer Sheath	PVC-TM2				
Outer Sheath Color [*]	Black				
2C 2 Set Cable OD (Approx.)	15.6mm	16.3mm	17.0mm	18.1mm	20.9mm
2C 5 Set Cable OD (Approx.)	18.9mm	19.9mm	20.8mm	23.3mm	26.7mm
2C 10 Set Cable OD (Approx.)	25.6mm	27.3mm	28.7mm	31.2mm	37.1mm
2C 20 Set Cable OD (Approx.)	31.1mm	33.1mm	35.8mm	38.8mm	45.6mm
2C 30 Set Cable OD (Approx.)	37.7mm	40.4mm	42.6mm	47.4mm	55.9mm
2C 2 Set Cable OD (Approx.)	16.7mm	17.6mm	18.4mm	19.9mm	23.7mm
2C 3 Set Cable OD (Approx.)	17.5mm	18.7mm	19.5mm	20.9mm	24.9mm
2C 2 Set Cable OD (Approx.)	18.8mm	19.8mm	20.8mm	23.2mm	26.6mm
2C 3 Set Cable OD (Approx.)	19.7mm	20.8mm	22.6mm	24.4mm	28.3mm
Conductor Resistance Max. @20°C	36.0Ω/km	24.5Ω/km	18.1Ω/km	12.1mm	7.41mm
Voltage	300V/500V				

Product Configuration

Product P/N	Outer Sheath Material	Outer Sheath Color Coding [*]	Flame Retardant Rating	Package Length [*]
CC-7MxxVyy1(1)6032-2z	PVC	Black	IEC 60332-1	305m/drum 500m/drum
xx 'xx' denotes conductor size yy 'yy' denotes conductor count z 'z' denotes packing length [*] [*]For special requirements please contact info@hermesys.com				

LadonX™ 75Ω RG59 RF Coaxial Cable



RF COAXIAL
CABLE SERIES

Technical Characteristics

Conductor	Bare Copper	Copper Clad Steel (CCS)
Conductor Size (Approx.)	0.81mm	
Dielectric Material	Foam PE	
1 st Overall Shielding	AL-mylar foil	
2 nd Overall Shielding	Bare Copper Braiding 95%	AL Braiding 60%
Outer Sheath	PVC/LSOH	
Outer Sheath Color [*]	Black	
Cable OD (Approx.)	6.1mm	
Nominal Impedance	75Ω	
Return Loss Min.	20dB	

Product Configuration

Product P/N	Conductor	Outer Sheath Material	Outer Sheath Color Coding [*]	Flame Retardant Rating	LSOH	Package Length [*]
RG59-008113095-2z	BC	PVC	Black	IEC 60332-1	-	305m/drum 500m/drum
RG59-008123095-2z	BC	LSOH			IEC61034-2 IEC60754-1&2	
RG59-108113260-2z	CCS	PVC			-	
RG59-108123260-2z	CCS	LSOH			IEC61034-2 IEC60754-1&2	

z 'z' denotes packing length

[*] [*]For special requirements, please contact info@hermesys.com

LadonX™ 75Ω RG6 RF Coaxial Cable

LadonX™ 75Ω RG11 RF Coaxial Cable

Technical Characteristics		
Conductor	Bare Copper	Copper Clad Steel (CCS)
Conductor Size (Approx.)	1.02mm	
Dielectric Material	Foam PE	
1 st Overall Shielding	AL-mylar foil	
2 nd Overall Shielding	Bare Copper Braiding 95%	AL Braiding 60%
Outer Sheath	PVC/LSOH	
Outer Sheath Color [*]	Black	
Cable OD (Approx.)	6.9mm	
Nominal Impedance	75Ω	
Return Loss Min.	20dB	

Technical Characteristics		
Conductor	Bare Copper	Copper Clad Steel (CCS)
Conductor Size (Approx.)	1.63mm	
Dielectric Material	Foam PE	
1 st Overall Shielding	AL-mylar foil	
2 nd Overall Shielding	Bare Copper Braiding 95%	AL Braiding 60%
Outer Sheath	PVC/LSOH	
Outer Sheath Color [*]	Black	
Cable OD (Approx.)	10.2mm	
Nominal Impedance	75Ω	
Return Loss Min.	20dB	

Product Configuration						
Product P/N	Conductor	Outer Sheath Material	Outer Sheath Color Coding [*]	Flame Retardant Rating	LSOH	Package Length [*]
RG6-010213095-2z	BC	PVC	Black	IEC 60332-1	-	305m/drum 500m/drum
RG6-010223095-2z	BC	LSOH			IEC61034-2 IEC60754-1&2	
RG6-110213260-2z	CCS	PVC			-	
RG6-110223260-2z	CCS	LSOH			IEC61034-2 IEC60754-1&2	
z 'z' denotes packing length [*] [*]For special requirements, please contact info@hermesys.com						

Product Configuration						
Product P/N	Conductor	Outer Sheath Material	Outer Sheath Color Coding [*]	Flame Retardant Rating	LSOH	Package Length [*]
RG11-016313095-2z	BC	PVC	Black	IEC 60332-1	-	305m/drum 500m/drum
RG11-016323095-2z	BC	LSOH			IEC61034-2 IEC60754-1&2	
RG11-116313260-2z	CCS	PVC			-	
RG11-116323260-2z	CCS	LSOH			IEC61034-2 IEC60754-1&2	
z 'z' denotes packing length [*] [*]For special requirements, please contact info@hermesys.com						

LadonX™ 50Ω RG213 RF Coaxial Cable

Technical Characteristics	
Conductor	Bare Copper
Conductor Size (Approx.)	2.25mm
Dielectric Material	Foam PE
Overall Shielding	Bare Copper Braiding 90%
Outer Sheath	PVC/LSOH
Outer Sheath Color [*]	Black
Cable OD (Approx.)	10.3mm
Nominal Impedance	50Ω

Product Configuration						
Product P/N	Conductor	Outer Sheath Material	Outer Sheath Color Coding [*]	Flame Retardant Rating	LSOH	Package Length [*]
RG213-022510N90-2z	BC	PVC	Black	IEC 60332-1	-	305m/drum 500m/drum
RG213-022520N90-2z		LSOH			IEC61034-2 IEC60754-1&2	
z 'z' denotes packing length [*] [*]For special requirements, please contact info@hermesys.com						

LadonX™ 50Ω RG214 RF Coaxial Cable

Technical Characteristics	
Conductor	Bare Copper
Conductor Size (Approx.)	2.25mm
Dielectric Material	Foam PE
1 st Overall Shielding	Tinned Copper Braiding 94%
2 nd Overall Shielding	Tinned Copper Braiding 94%
Outer Sheath	PVC/LSOH
Outer Sheath Color [*]	Black
Cable OD (Approx.)	10.8mm
Nominal Impedance	50Ω

Product Configuration						
Product P/N	Conductor	Outer Sheath Material	Outer Sheath Color Coding [*]	Flame Retardant Rating	LSOH	Package Length [*]
RG214-022511194-2z	BC	PVC	Black	IEC 60332-1	-	305m/drum 500m/drum
RG214-022521194-2z		LSOH			IEC61034-2 IEC60754-1&2	
 'z' denotes packing length  [*]For special requirements, please contact info@hermesys.com						

Hybrid Optical and Power Composite Cable



Optical + Power Integration

Seamless convergence for maximum efficiency



5G Fronthaul Ready

High bandwidth, low latency, built for the future



High-Density 9RRU Connectivity

Optimized structure for compact deployments



Reliable Outdoor Deployment

Rugged, durable, and built to perform in all conditions

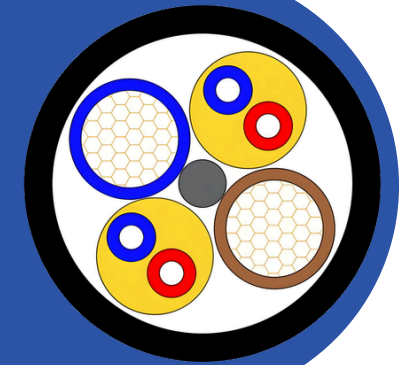


ChimeraX™ 5G Hybrid Optical and Power Composite Cable

4 Fibers with 2C 12AWG



- Fiber Cable Type: Tight buffered fiber with aramid yarn
- Conductor Insulation: XLPE
- Fiber Cable Outer Sheath: LSOH
- Outer Sheath: LSOH
- Strength Member: Aramid yarn
- Sheath Structure: Hybrid optical and power composite structure



Technical Characteristics

Conductor	Stranded Bare Copper
Conductor Size (Approx.)	12AWG
Conductor Count	2C
Fiber Type	SM G657A2
Fiber Count Per Cable	2F
Fiber Cable Count	2
Outer Sheath Color [*]	Black
Cable OD (Approx.)	9.3mm
Conductor Resistance Max. @20°C	5.43Ω/km
Tensile Strength Short Term	900N
Tensile Strength Long Term	360N
Crush Short Term	1000N/100mm
Crush Long Term	300N/100mm

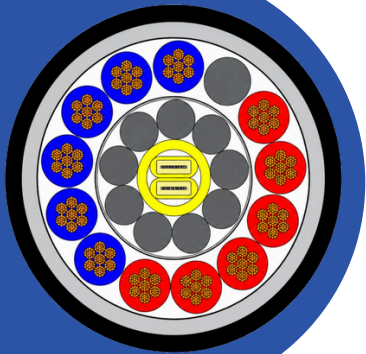
Product Configuration

Product P/N	Conductor	Fiber	Outer Sheath Material	Outer Sheath Color Coding [*]	Flame Retardant Rating	LSOH
HYB-P12W200003F(2)2072252 24J2	BC	SM G657A2	LSOH	Black	IEC 60332-1	IEC61034-2 IEC60754-1&2

[*] For special requirements, please contact info@hermesys.com

ChimeraX™ 6RRU Type 5G Hybrid Optical and Power Composite Cable
24Fibers with 12C 10mm²

- Fiber Cable Type: Ribbon fiber with aramid yarn
- Conductor Insulation: PVC
- Fiber Cable Outer Sheath: PVC
- Cable Armor: Corrugated aluminum tube
- Outer Sheath: LLDPE with UV resistant
- Sheath Structure: Hybrid optical and power composite structure



Technical Characteristics

Conductor	Stranded Bare Copper
Conductor Size (Approx.)	10mm ²
Conductor Count	12C
Fiber Type	SM G657A2
Fiber Count Per Cable	24F
Fiber Cable Count	1
Fiber Cable OD (Approx.)	9.5mm
Outer Sheath Color [*]	Black
Cable OD (Approx.)	39.4mm
Conductor Resistance Max. @20°C	1.91Ω/km
Tensile Strength Short Term	1500N
Tensile Strength Long Term	600N
Crush Short Term	1000N/100mm
Crush Long Term	300N/100mm

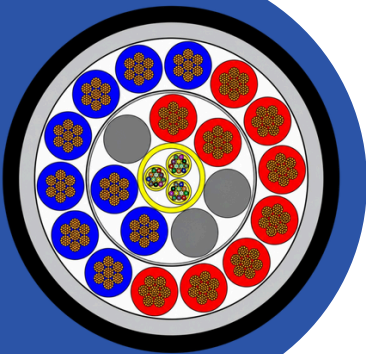
Product Configuration

Product P/N	Conductor	Fiber	Outer Sheath Material	Outer Sheath Color Coding [*]
Z001113	BC	SM G657A2	LLDPE	Black

[*] For special requirements, please contact info@hermesys.com

ChimeraX™ 9RRU Type 5G Hybrid Optical and Power Composite Cable
36Fibers with 18C 10mm²

- Fiber Cable Type: Tight buffered fiber with aramid yarn
- Conductor Insulation: XLPE
- Fiber Cable Outer Sheath: LSOH
- Outer Sheath: LSOH
- Strength Member: Aramid yarn
- Sheath Structure: Hybrid optical and power composite structure



Technical Characteristics

Conductor	Stranded Bare Copper
Conductor Size (Approx.)	10mm ²
Conductor Count	18C
Insulation Material	PVC
Fiber Type	SM G657A2
Fiber Count Per Cable	36F
Fiber Cable Count	3
Fiber Cable OD (Approx.)	12.0mm
Outer Sheath Color [*]	Black
Cable OD (Approx.)	40mm
Conductor Resistance Max. @20°C	1.91Ω/km
Tensile Strength Short Term	1500N
Tensile Strength Long Term	600N
Crush Short Term	1000N/100mm
Crush Long Term	300N/100mm

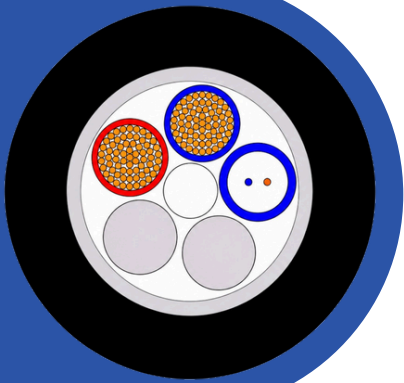
Product Configuration

Product P/N	Conductor	Fiber	Outer Sheath Material	Outer Sheath Color Coding [*]
Z001114	BC	SM G657A2	LLDPE	Black

[*] For special requirements, please contact info@hermesys.com

ChimeraX™ Hybrid Optical and Power Composite Cable
2 Fibers with 2C 18AWG

- Fiber Tube Material: PBT
- Conductor Insulation: PVC
- Strength Member: FRP
- Outer Sheath: PE
- Sheath Structure: Hybrid optical and power composite structure



Technical Characteristics

Conductor	Stranded Bare Copper
Conductor Size (Approx.)	18AWG
Conductor Count	2C
Insulation Material	PVC
Fiber Type	SM G657A2
Fiber Count Per Cable	2F
Fiber Cable Count	1
Outer Sheath Color [*]	Black
Cable OD (Approx.)	9.1mm
Conductor Resistance Max. @20°C	23.2Ω/km
Tensile Strength Short Term	1500N
Tensile Strength Long Term	600N
Crush Short Term	1000N/100mm
Crush Long Term	300N/100mm

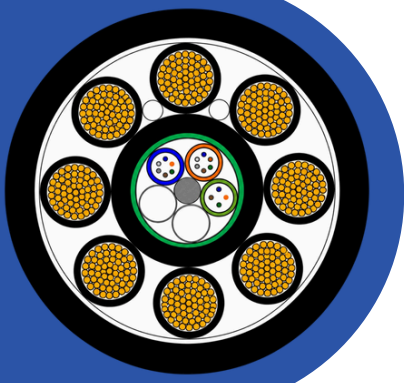
Product Configuration

Product P/N	Conductor	Fiber	Outer Sheath Material	Outer Sheath Color Coding [*]
HYB-I18W02C1F(1)2002J0A5	BC	SM G652D	PE	Black

[*] For special requirements, please contact info@hermesys.com

ChimeraX™ Hybrid Optical and Power Composite Cable
16 Fibers with 8C 4mm²

- Conductor Insulation: Silicon rubber
- Fiber Tube Material: PBT
- Strength Member: Steel wire
- Fiber Cable Armor: Corrugated Steel Tape (CST)
- Fiber Cable Outer Sheath: PE
- Outer Sheath: PE
- Sheath Structure: Hybrid optical and power composite structure



Technical Characteristics

Conductor	Ultra Flexible Stranded Tinned Copper
Conductor Size (Approx.)	4mm ²
Conductor Count	8C
Fiber Type	SM G652D
Fiber Count Per Tube	6+6+4
Fiber Cable Count	3
Fiber Cable OD (Approx.)	8.1mm
Outer Sheath Color [*]	Black
Cable OD (Approx.)	18.8mm
Conductor Resistance Max. @20°C	5.09Ω/km
Tensile Strength Short Term	1000N
Tensile Strength Long Term	400N
Crush Short Term	1000N/100mm
Crush Long Term	300N/100mm

Product Configuration

Product P/N	Conductor	Fiber	Outer Sheath Material	Outer Sheath Color Coding [*]
HYB-P4S8C500001F(1)2001F00200J0	TC	SM G652D	PE	Black

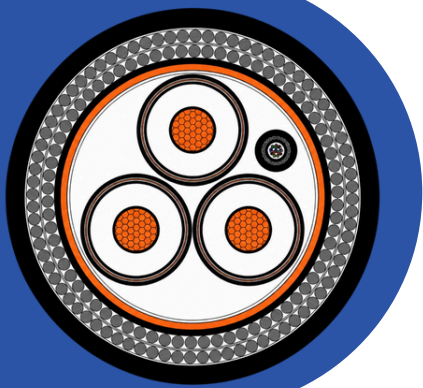
[*] For special requirements, please contact info@hermesys.com



ChimeraX™ Submarine Composite Optical and Power Cable

12 Fibers with 3C 70mm²

- Conductor Insulation: TR-XLPE
- Shield Type: Copper tape
- Fiber Cable Armor: Steel Wire Armor (SWA)
- Binder: Rubber fabric
- Anti-Teredo Protection: Brass strip
- Inner Sheath: PE
- Cable Armor: Inner & outer SWA
- Anti-Wear Protection: Nylon tape
- Outer Sheath: PE



Technical Characteristics

Conductor	Compacted Copper (Water Blocked)
Conductor Size (Approx.)	70mm ²
Conductor Count	3C
Conductor Screen	Semi-conducting Compound
Insulation Material	TR-XLPE
Insulation Screen	Semi-conducting Compound
Shield Type	Copper Tape
Fiber Type	SM G652D
Fiber Count Per Tube	12
Outer Sheath Color [*]	Black
Cable OD (Approx.)	101.4mm
Conductor Resistance Max. @20°C	0.0268Ω/km
Maximum Use Of Tension Is Allowed	145kN
Maximum Allowable Lateral Pressure	50kN/m

Product Configuration

Product P/N	Conductor	Fiber	Outer Sheath Material	Outer Sheath Color Coding [*]
CP-CC70T0301B1T0(0)4(4)2(2)	BC	SM G652D	PE	Black

 [*]For special requirements, please contact info@hermesys.com

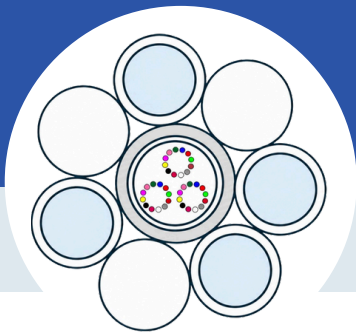
Other Cables

Customizable Specialty Cable Solutions



ChimeraX™ OPGW Cable with SST and AL-Clad SST
Tube Structures

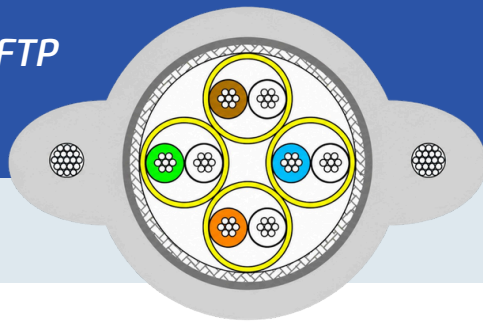
SST Tube with 4 ACSW Wires and 3 AA Wires



Technical Characteristics		
Item	36F Type	
Fiber Type	SM G652D	
Fiber Count	36F	
Tube Materiel	Aluminium Clad Stainless Steel Tube	
Tube OD (Approx.)	5.1mm	
Outer Layer Material	Aluminium Clad Steel Wire	Aluminium Alloy
Outer Layer Count	4	3
Outer Layer OD (Approx.)	3.8mm	
Cable OD (Approx.)	12.7mm	
Conductor Resistance Max. @20°C	0.51Ω/km	
Carrying Area	91mm²	
Outer Layer Area	45.3mm²	34mm²
Outer Layer Direction	Right Hand	
Rated Tensile Strength (RTS)	64.2kN	

Product Configuration		
Product P/N	Fiber Type	Fiber Count
34(3A)01B(5C2D)0AS	SM G652D	36F
[*] For special requirements, please contact info@hermesys.com		

ChimeraX™ Elevator Traveling Copper Category 6 S/FTP
23AWG Data Cable



Cable Construction	
Conductor	19*0.12mm Annealed Stranded Bare Copper
Insulation	Foam-skin PE
Pair Shielding	AL-mylar foil
Overall Shielding	Tinned Copper Wire Braiding
Self-support	Galvanized Steel Wire
Cable OD (Approx.)	8.3*17.0mm

Electrical Performance	
Frequency Max.	250MHz
Characteristic Impedance @100m	100Ω
Conductor Resistance Max. @20°C	9.38Ω/100m

Product Configuration				
Product P/N	Outer Sheath Material	Outer Sheath Color Coding [*]	Flame Retardant Rating	Package Length [*]
14641LBGY-500D	PVC	Grey	IEC 60332-1	500m/drum
[*] For special requirements, please contact info@hermesys.com				

*ChimeraX™ Category 6A SF/UTP Oil-Resistant
Drag Chain Data Cable*



Cable Construction

Conductor	30×0.08mm Annealed Stranded Bare Copper
Insulation	HDPE
Pair Shielding	AL-mylar foil
Overall Shielding	Tinned Copper Wire Braiding
Filler	Cotton Rope
Cable OD (Approx.)	7.0mm

Electrical Performance

Frequency Max.	250MHz
Characteristic Impedance @100m	100Ω
Conductor Resistance Max. @20°C	9.38Ω/100m

Product Configuration

Product P/N	Outer Sheath Material	Outer Sheath Color Coding [*]	Flame Retardant Rating	Oil Resistant & Marine Rating	Package Length [*]
15745BK-500D	PUR	Black	IEC 60332-1	IRM 902, IRM 903, ISO 1183,VDE 0282	500m/drum

[*] For special requirements, please contact info@hermesys.com

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