



Fire Retardant

IEC 60332-1

LSOH

IEC 60754-1&2

IEC 61034-2

Standard

IEC 60794

Application

Structured Cabling System

Telecom Backbones

Indoor&Outdoor

FTTx

Working Condition

Storage Temperature

-20°C ~ +70°C

Installation Temperature:

-10°C ~ +60°C

Operation Temperature

-20°C ~ +70°C

Min. Allowable Bending Radius

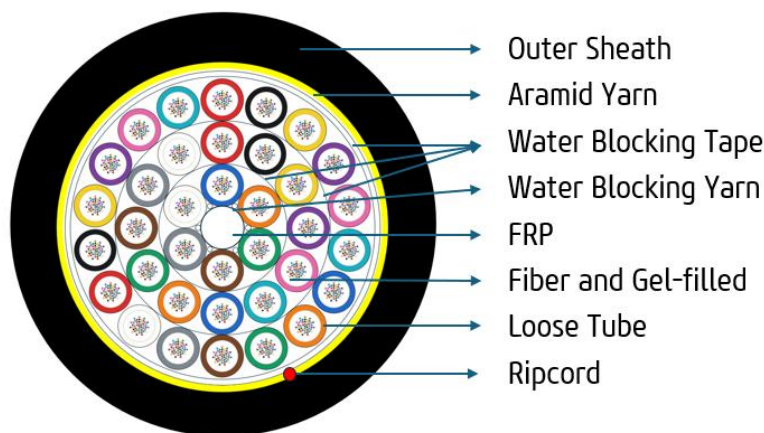
Static: > 10 D

Dynamic: > 20 D

D is the out diameter of the cable

ArgusX™ Fiber Optic Cable Bundle Type Non-Armoured LSOH

Semi-dry/LSOH



Technical Data

Fiber Count		1728F
Fiber Coating Type		200um
Loose Tube Material		PBT
Tube Filling		Filling Compound
Tube Count		36
Fiber Count per Tube		48F
CSM Material		FRP
Water Blocking		Water Blocking Yarn & Water Blocking Tape
Peripheral Strength Member		Aramid Yarn
Ripcord		2
Outer Sheath Material		LSOH
Outer Sheath Color		Black
Cable OD (Approx.)	mm	22.9
Cable Weight (Approx.)	Kg/km	455

Mechanical Performance

Tensile Performance(N)	Short Term	2700
	Long Term	810
Crush(N/100mm)	Short Term	2200
	Long Term	660



Mechanical Characteristics

Test	Standard	Value	Sanction*
Tensile Performance	IEC 60794-1-21-E1	2700N Sample length: ≥50m. Duration time: 1min.	Additional loss SM≤0.15dB @1550nm Fiber strain ≤0.6% No visual crack of cable sheath
Crush	IEC 60794-1-21-E3	2200N/100mm Duration of load: 1min Number of tests: 3	Additional loss SM≤0.10dB @1550nm No visual crack of cable sheath
Impact	IEC 60794-1-21-E4	4.5 J with striking surface radius of 300 mm Impact number: 1 Impact points: 5 (Not less than 1m apart)	Additional loss SM≤0.10dB @1550nm No visual crack of cable sheath
Repeated Bending	IEC 60794-1-21-E6	Radius: 20*D Cycles: 30 Load: 150N	Additional loss SM≤0.10dB @1550nm No visual crack of cable sheath
Torsion	IEC 60794-1-21-E7	Cycles: 5 Turns: ±90° Load: 150N	Additional loss SM≤0.10dB @1550nm o visual crack of cable sheath
Temperature Cycling	IEC 60794-1-22-F1	-20°C ~ +70°C Cycles: 2 Dwell time: 12 hours	Variation in attenuation coefficient SM≤0.15dB/km @1550nm
Water Penetration	IEC 60794-1-22-F5B	Time : 24 hours Sample length : 3m Water height : 1m	No water leakage

Identification

No.	1	2	3	4	5	6	Fiber & Tube Colors
Color	Blue	Orange	Green	Brown	Slate	White	
No.	7	8	9	10	11	12	
Color	Red	Black	Yellow	Violet	Pink	Aqua	

From 13-24F with a black marker, from 25-36F with two black markers, from 37-48F with three black markers.

Ordering Information

Product Part Number	Product Description
20x1GBH221(2)1T4B	Hermesys ArgusX™ Fiber Optic Cable Bundle Type <x-fiber type> 1728core Sub-cable FRP/Semi-dry/LSOH Black



Sheath Marking

Color: white

Interval: 1+1%/m

The outer sheath is marked in 1meter intervals as follows

HERMESYS ARGUSX FLEXIBLE INDOOR/OUTDOOR CABLE <Part Number> SM <Type> 1728 FIBER LSOH <WWYYYY> <Drum ID> <XXXX>M

<Part Number> indicates product P/N

<Type> indicates G.657A2 / G.657A1

<WWYYYY> indicates week/year

<Drum ID> indicates each drum number, rule refer to Drum ID formula file

<XXXX> indicates meter

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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