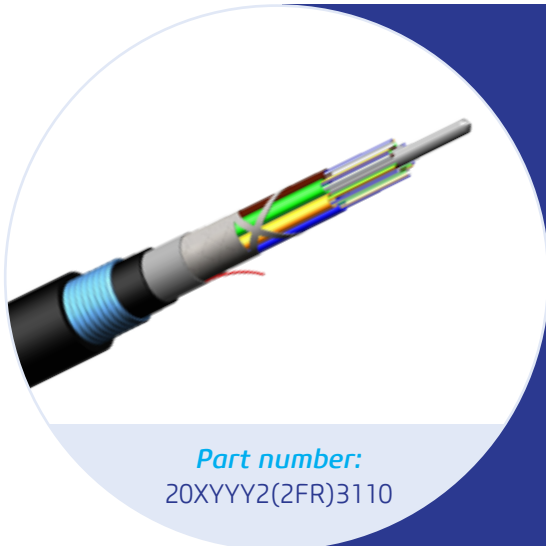


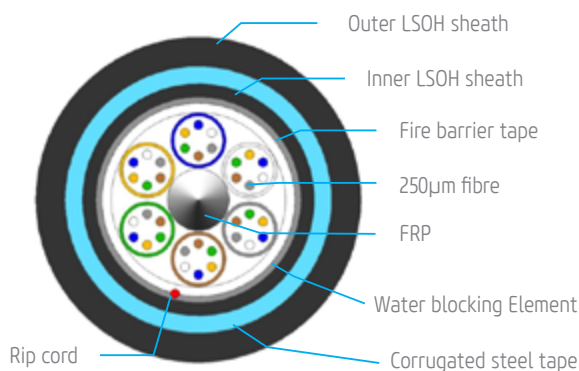
ChimeraX™ Indoor/Outdoor Fire Resistant Cable

4,48,144 Core Double Jacket Fire Resistant AT AR Duct Cable



Hermesys ChimeraX™ Fire Resistance Fibre Optic cables is special designed for use in such airport, high-speed rail, subway, oil, mine and other telecommunication systems.

The cable has good mechanical protection and chemical resistance can ensure the communication system still working in fire for a long time.



Cross section of part number:
<not to scale>

Features and Benefits

The non metallic FRP central strength member is lighter and more flexible. No rust problem in the whole cable life.

Semi-Dry design, the water blocking yarns with water blocking tape to guarantee high water blocking performance.

The corrugate steel tape (PSP) provides rodent/termite & Moisture proof and crush resistance.

Standards

Reference

IEC 60794-1-2-E1, IEC 60794-1-2-E3
IEC 60794-1-2-F1, IEC 60794-1-2-F5B
IEC/EN 60794-3-10

Flame Resistance

IEC 60331-25
IEC 60332-3C
IEC 61034
IEC 60754-1 & 2

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Specifications

GENERAL SPECIFICATIONS

Environment	Indoor and Outdoor
Application	Airport, Tunnel, Oil & Gas and other industrial lan.
Cable Type	Multi loose tube
Product Type	Telecom inside plant
Flame Rating	IEC 60331-25, IEC 60332-3C
Fibre Category	Full range of fibre
Drum Length	4,000m

TEMPERATURE RANGE

Storage	-40°C ~ 70°C
Operation	-40°C ~ 70°C
Installation	-20°C ~ 60°C

CABLE DESIGN

Fibre Count	4/48/144
Fibre Color	EIA/TIA 598 standard
Tensile Strength Elements	FRP non metallic strength member
Number of Loose Tube	6 (max 12 fibres per tube)
Water Blocking	Water blocking yarns + Water blocking tape*2
Enhanced Strength Member	Aramid Yarn
Fire Resistant Elements	Fire barrier tape
Armouring	Corrugated steel tape
Inner Jacket Material	LSOH
Outer Jacket Material	LSOH

MECHANICAL CHARACTERISTICS CABLE

Max. Tensile Strength. Short-Term	3000N
Max. Tensile Strength. Long-Term	1500N
Nominal Outer Diameter (mm)	11.7(4&48F), 20.0 mm
Nominal Weight (kg/km)	170(4&48F), 275(144F) kgs
Min. Bend Radius Loaded	20 * diameter
Min. Bend Radius Unloaded	10 * diameter
Water Penetration	No water leakage after 24hrs (sample=3m, water=1m)

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Fire Resistant Standard

IEC 60331-25

Fire resistance 90 minutes at 750 °C (No fibre break)

CHEMICAL CHARACTERISTICS

ROHS

Free of hazardous substances according to RoHS
2002/95/EG

Ordering information

Part Number

20XYYY2(2FR)3110

Sheath Marking

Hermesys ChimeraX Indoor/Outdoor Fire Resistant LSOH Cable
20XY2(2FR)3110 <Fibre Type> <XXXcore> WWYYYY XXXXM

Notes:

- 1) X = type of Fibre (0/G652D, 1/OM1, 2/OM2, 3/OM3, 4/OM4, 5/G655, 6/G657A1, 7/G657A2, 8/G657B1, 9/G657B2)
2) YY = Number of Core (2/2cores, 4/4cores, 6/6cores, 8/8cores, 1B/12cores)

Shipping information

Packaging Method

Wooden drums with protection

Delivery Lengths

Standard delivery length is 4km with a tolerance of $\pm 5\%$