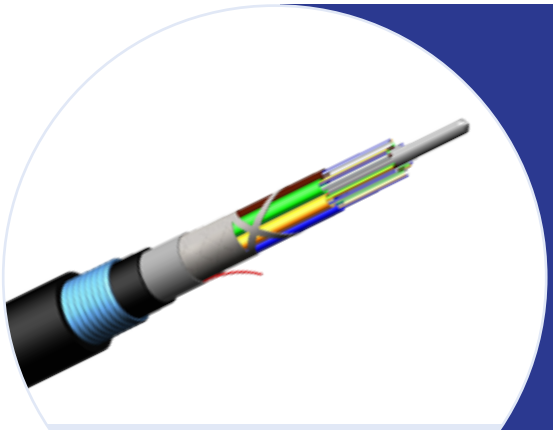
# ChimeraX™ Indoor/Outdoor Fire Resistant Cable

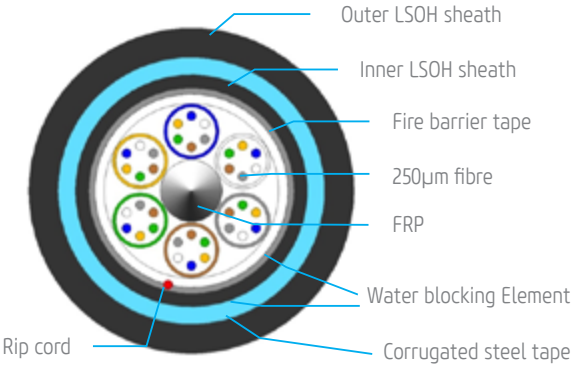
*2-24 Core Double Jacket Fire Resistant Duct Cable*



*Part number:*
20XYY-2(2FR)3110

Hermesys ChimeraX™ Fire Resistance Fibre Optic cables is special designed for use in such airport, high-speed trail, 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 & Moisture proof and crush resistance.

## *Standards*

| | |
|---|---|
| *Reference* | IEC 60794-1-2-E1, IEC 60794-1-2-E3<br>IEC 60794-1-2-F1, IEC 60794-1-2-F5B<br>IEC/EN 60794-3-10 |
| *Flame Resistance* | IEC 60331-25<br>IEC 60332-3C<br>IEC 61034<br>IEC 60754-1 & 2 |

# ChimeraX™ Indoor/Outdoor Fire Resistant Cable

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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 | 2 - 24 |
| 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) | 11.3 mm |
| Nominal Weight (kg/km) | 178 kgs |
| Min. Bend Radius Loaded | 20 * diameter |
| Min. Bend Radius Unloaded | 10 * diameter |
| Water Penetration | No water leakage after 24hrs (sample=3m, water=1m) |

# ChimeraX™ Indoor/Outdoor Fire Resistant Cable

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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** | 20XYY-2(2FR)3110 |
| **Sheath Marking** | Hermesys ChimeraX Indoor/Outdoor Fire Resistant LSOH Cable 20XYY-2(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 ± 5% |