

LadonX™ Indoor Distribution Cable

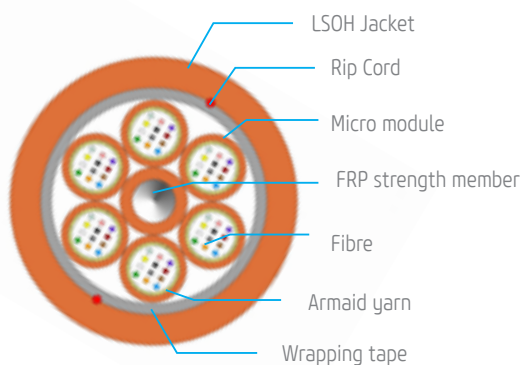
24~144 Cores Multi-Unit Tight Buffer LSOH Jacket Cable



Hermesys LadonX™ indoor tight buffer distribution cables are designed for routing between communications equipment rooms, data center trunk cabling, backbones and preterminated optical assembly.

The 900µm tight buffer fibre is easier to connectorize and each tight buffer fiber has color coated for easy identification.

The low smoke halogen free jacket is suitable and meet for indoor installation requirement on flame retardant.



Cross section of part number:
< Not to scale >

Features and Benefits

Available in Single Mode, Multimode (OM1 ~ OM5)

900µm Tight buffer construction for easy consistent stripping and directly termination.

Each fibre is color coated for easy identification.

The all-dielectric construction requires no grounding or bonding.

The tight buffer fibres are supported by aramid yarns as protection and also increase cable durability.

The LSOH jacket is suitable for indoor applications.

Standards

Reference

- IEC 60794-1 -2-E1
- IEC 60794-1-2-E3
- IEC 60794-1-2-F1

Flame Resistance

- IEC 60332-1
- IEC 61034
- IEC 60754-1 & 2

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Specifications

GENERAL SPECIFICATIONS

| | |
|----------------|--|
| Environment | Indoor |
| Application | Premise wiring, data center, equipment rooms |
| Cable Type | Tight buffer cable |
| Product Type | Telecom inside plant |
| Flame Rating | IEC 60332-1 |
| Fibre Category | Full range of fibre |
| Drum Length | 1000m |

TEMPERATURE RANGE

| | |
|--------------|---------------|
| Storage | -20°C to 60°C |
| Operation | -20°C to 60°C |
| Installation | -10°C to 50°C |

CABLE DESIGN

| | |
|---------------------------|---|
| Fibre Count | 24/36/48/96/144 |
| Fibre Color | EIA/TIA 598 standard |
| Central Strength Elements | FRP non-metallic strength member |
| Tensile Strength Member | Aramid yarn |
| Number of Subunit | 4-12 (max 12 fibres per subunit) |
| Outer Jacket Material | LSOH |
| Outer Jacket Color | Singlemode/yellow; OM1 & OM2/Orange; OM3/Aqua; OM4/Aqua or Violet; OM5/Lime Green |

MECHANICAL CHARACTERISTICS CABLE

| | |
|-----------------------------------|---|
| Max. Tensile Strength. Short-Term | 1000N (24f), 1200N (36f), 1750N (48f), 3000N (96f) 4000N (144f) |
| Max. Tensile Strength, Long-Term | 400N (24f), 480N (36f), 700N (48f), 1200N (96f), 1600N (144f) |
| Crush Resistance, Short-Term | 1000N |
| Crush Resistance, Long-Term | 300N |
| Nominal Outer Diameter (± 0.8mm) | 15.5 (24f), 18.8 (36f), 17.0 (48f), 25.8 (96f), 28.2 (144f) |
| Nominal Weight (kg/km) | 182 (24f), 245 (36f), 210 (48f), 500 (96f), 678 (144f) |
| Min. Bend Radius Installation | 20 * diameter |
| Min. Bend Radius Operation | 10 * diameter |

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CHEMICAL CHARACTERISTICS

| | |
|-------------|--|
| ROHS | Free of hazardous substances according to RoHS 2002/95/EG |
|-------------|--|

Fibre Specifications

Refer the Hermesys Fibre specification as per order

Remark :

(*) Color of 2nd group 12 tight buffer with black tracer and follow to the sequence of EIA/TIA 598 standard.

(**) Singlemode /Yellow; Multimode: OM1, OM2/Orange, OM3, OM4/Aqua

Ordering information

| | |
|-----------------------|--|
| Part Number | 20XYY25424 |
| Sheath Marking | Hermesys LadonX Multi-Unit Tight Buffer LSOH Cable 20XYY25424 <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, M5/OM5)

2) YY = Number of Core (3F/36 cores, 4H/48cores, 9F/96cores)

Shipping information

| | |
|-------------------------|---|
| Packaging Method | Wooden drums with protection |
| Delivery Lengths | Standard delivery length is 1km with a tolerance of $\pm 5\%$ |