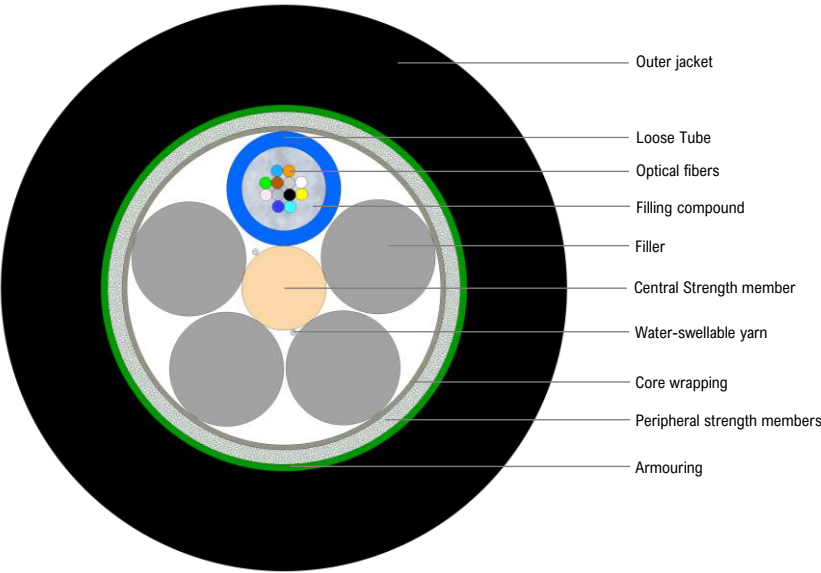


# Indoor/Outdoor CST Armoured Multi-tube Cable 12F (HC)

Fibre optic cable with full protection against rodents for direct burial installation.



|                             |                                                                                                        |
|-----------------------------|--------------------------------------------------------------------------------------------------------|
| Fiber count                 | 12                                                                                                     |
| Fiber Type                  | G.652.D, G.657.A1, G.657.A2, G.655, G.656, OM1, OM2, OM3, OM4                                          |
| Fiber color                 | Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua                        |
| Tube                        | Gel-Filled PBT buffer tube                                                                             |
| Tube color                  | Blue                                                                                                   |
| Tube filling compound       | Thixotropic Jelly Compound                                                                             |
| Central strength member     | FRP rod                                                                                                |
| Core wrapping               | Water-swellable tape                                                                                   |
| Peripheral strength members | Water-swellable glass yarns                                                                            |
| Armouring                   | Corrugated steel tape, longitudinally under jacket                                                     |
| Outer jacket                | UV resistant Thermoplastic FR-LSHF compound according to BS 7878:7 and DIN VDE 0207, part 24, type HM2 |
| Outer jacket thickness      | 1.5 mm                                                                                                 |

|                                |                 |         |
|--------------------------------|-----------------|---------|
| Cable outer diameter           | 11.4            | [mm]    |
| Tube count                     | 1               |         |
| Filler count                   | 4               |         |
| Max. Loading (Short Term)      | 1800            | [N]     |
| Max. Loading (Long Term)       | 480             | [N]     |
| Max. compressive loading       | 3500            | [N]     |
| Max. Impact loading            | 25              | [Nm]    |
| Min. bend radius not load      | 15              | [OD]    |
| Min. bend radius load          | 20              | [OD]    |
| Operating temperature range    | -40 to +70      | [°C]    |
| Storage temperature range      | -40 to +70      | [°C]    |
| Installation temperature range | -15 to +50      | [°C]    |
| Cable Weight (calc.)           | 149             | [kg/km] |
| Class of fire reaction         | F <sub>ca</sub> |         |

Test standards: EN 60793-1, EN 60794-1-21, EN 60794-1-22, EN 13501-6

|                            |                                                                                                   |                                            |
|----------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------|
| Cable Code (Ordering Code) | OPK-U-MTFDS-12(5x2.3)LTGXH-xx-BK                                                                  | xx – fiber type (see Cable code datasheet) |
| Marking Method             | Ink-Jet                                                                                           |                                            |
| Print legend               | OPK –cable type – lot number- length marking per 1 m (customer print legend available on request) |                                            |
| Delivery length            | 2000 m, 4000 m ±5% on plywood reel or solid wooden non-returnable drum                            |                                            |