



## Dual Sheath Multi Loose Steel Tape Armoured (PSP)

24 to 144 250µm fibre dry core OM1, OM2, OM3, OM4 multimode or OS1 /OS2 (G.652.D) singlemode 250 µm multi loose tube metallic armoured external duct and direct burial cables with E-glass strength members and dual High Density Polyethelene (HDPE) jackets. The 5 -12 element multi loose tube cable construction consists of 24 to 144, optical fibres in 12 fibre gel filled loose tubes, SZ stranded around a Fibre Reinforced Plastic (FRP) central strength member with water swellable threads and tape. Helically applied water blocking E-glass nonmetallic strength members with ripcord and PE inner jacket, Corrugated Steel Tape (CST) armouring and black High Density Polyethelene (HDPE) final jacket with ripcord.

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## Features

- 250 µm loose tube construction
- Available with various fibre types
- Double PE jackets for environmental protection and water permeation resistance
- Dual jackets and corrugated steel tape armouring for enhanced impact and crush resistance
- Color coded fibres

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## Applications

- Ideal for water crossings such as rivers and lakes
- Suitable for external duct, for direct burial applications and for harsh environments where impact and crush protection is demanded

## Specifications

| DESCRIPTION                  |         | 24-CORE PE | 36-CORE PE | 48-CORE PE | 60-CORE PE | 72-CORE PE | 96-CORE PE | 120-CORE PE | 144-CORE PE |
|------------------------------|---------|------------|------------|------------|------------|------------|------------|-------------|-------------|
| Outer Diameter               | mm      | 14 ±0.5    | 14 ±0.5    | 14 ±0.5    | 14 ±0.5    | 14 ±0.5    | 16.1 ±0.5  | 17.6 ±0.5   | 19.1 ±0.5   |
| Weight                       | kg/km   | 210        | 210        | 210        | 210        | 210        | 257        | 298         | 343         |
| Max. Load (Short Term)       | N       | 2700       | 2700       | 2700       | 2700       | 2700       | 2900       | 3000        | 3300        |
| Max. Load (Long Term)        | N       | 1300       | 1300       | 1300       | 1300       | 1300       | 1500       | 1600        | 1600        |
| Min. Bend Radius (Loaded)    | mm      | 20D        | 20D        | 20D        | 20D        | 20D        | 20D        | 20D         | 20D         |
| Min. Bend Radius (Installed) | mm      | 10D        | 10D        | 10D        | 10D        | 10D        | 10D        | 10D         | 10D         |
| Operating Temperature        | °C      | -20 to +60 | -20 to +60 | -20 to +60 | -20 to +60 | -20 to +60 | -20 to +60 | -20 to +60  | -20 to +60  |
| Storage Temperature          | °C      | -20 to +60 | -20 to +60 | -20 to +60 | -20 to +60 | -20 to +60 | -20 to +60 | -20 to +60  | -20 to +60  |
| Installation Temperature     | °C      | -40 to +70 | -40 to +70 | -40 to +70 | -40 to +70 | -40 to +70 | -40 to +70 | -40 to +70  | -40 to +70  |
| Max Crush Resistance         | N/100mm | 3000       | 3000       | 3000       | 3000       | 3000       | 3000       | 3000        | 3000        |
| Number of Elements           |         | 5          | 5          | 5          | 5          | 6          | 8          | 10          | 12          |

## Ordering Information

|                  | Fibre Type |         | Jacket Type |    | Fibre Count |     |
|------------------|------------|---------|-------------|----|-------------|-----|
|                  | 9          | G.652.D | 2           | PE | 24          | 24  |
| <b>OFC-MLSDP</b> | 1          | OM1     |             |    | ...         | ... |
|                  | 2          | OM2     |             |    | 144         | 144 |
|                  | 3          | OM3     |             |    |             |     |
|                  | 4          | OM4     |             |    |             |     |
|                  |            |         |             |    |             |     |

## Example order code

OFC-MLSDP - 9 2 - 24

Double Jacket PSP Multi Loose Tube Cable STA Singlemode PE 24 Fibres

Technical Drawing

