

EXTALCT24OS2C1P

OS2 24 fibers multi loose tube optical  
fiber cable LSZH C1 sheath



## DESCRIPTION

EXTALCTC1 fiber cables are designed for nuclear facilities and applications. Its C1 fire behavior rate allows its installation in sensitive areas. Available in single mode up to 48 fibers in multi-tube and in compliance with IEC, ITU and TIA standard



## ADVANTAGES

- Excellent fire resistance : cable compliant with NF C 32070 C1
- Armour offering a high crush resistance (can be dug without protection) and anti rodents Armour
- Excellent waterproofing
- LSZH black sheath for a good UV resistance



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**CONSTRUCTION & TECHNICAL PERFORMANCE**

|                                           |                         |
|-------------------------------------------|-------------------------|
| Overall Armor                             | Armure Acier            |
| Color                                     | Heather Violet RAL 4003 |
| Minimum diameter of the outer sheath (mm) | 9,3                     |
| Nom. diameter of the outer sheath (mm)    | 9,6                     |
| Max. diameter of the outer sheath (mm)    | 9,9                     |
| Number of active tubes                    | 1                       |
| Total number of tubes                     | 1                       |
| Number of Optical Fibers                  | 24                      |
| Number of Fibers per Tube                 | 24                      |
| Sheath Type                               | LSZH                    |

**ELECTRICAL CHARACTERISTICS**

|                     |     |
|---------------------|-----|
| Optical Performance | OS2 |
|---------------------|-----|

**TRANSMISSION CHARACTERISTICS**

|                            |                                      |
|----------------------------|--------------------------------------|
| Data Transmission Standard | EN 50173, ISO 11801-1 et TIA 568-3.D |
|----------------------------|--------------------------------------|

**MECHANICAL CHARACTERISTICS**

|                                       |            |
|---------------------------------------|------------|
| Structure                             | Libre      |
| Max Short-Term Tensile Strength       | 1800       |
| Max Long-Term Tensile Strength        | 1000       |
| Bending Radius in Fixed Installation  | 20 x Ø ext |
| Bending Radius in Mobile Installation | 20 x Ø ext |
| Max Short-Term Crush Resistance       | 2000       |
| Max Long-Term Crush Resistance        | 2000       |
| Impact Resistance                     | 5J         |

**ENVIRONMENTAL CHARACTERISTIC**

|                    |                    |
|--------------------|--------------------|
| CPR classification | Eca                |
| Fire behaviour     | NF C32-070 Cat. C1 |
| UV Resistance      | No                 |
| Component Standard | IEC 60794-1-2      |

**ADDITIONAL INFORMATION**

|                   |      |
|-------------------|------|
| Product Packaging | Drum |
| Weight (Kg)       | 0.18 |

## Additional Information

Code couleur des fibres suivant les normes  
TIA/EIA 598A et IEC 304

|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |
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