



**INDUSTRIKOMPONENTER A/S**  
En anerkendt partner i Mobil Energi

# KABLER FESTOONFIBERFLEX PUR HF



## ANVENDELSE

Cable for optical transmission of data and signals for very high mechanical requirements, frequently bendings, especially for use in trolley systems, drag chains on moving parts of machines, conveyor facilities. Suitable for dry, humid and wet rooms, for outdoor use and also for explosive environments.

## SPECIEL FUNKTION

- For low reeling operation requirements
- Free from lacquer damaging substances and silicone (during production)
- Halogen-free
- Resistant for ozone, UV radiation and humidity
- Also available on request for permanent use in water (no drinking water) up to 50 m diving depth

## REMARKS

- Conform to RoHS
- For travelling speed on cable trolleys up to 240 m/min
- Special versions: other dimensions, core and jacket colours
- Assembled with ST connectors

## TEKNISKE DATA

|                                     |   |
|-------------------------------------|---|
| Conductor material                  | Fiber optics type 9/125, 50/125 or 62,5/125   |
| Core insulation                     | PETP tubes filled with jelly  |
| Overall stranding                   | Fiber optics in PETP-tubes filled with jelly, stranded with fillers in an envelop of heat-resistant compound, wrapped with a strain relief of aramide rovings and braid of polyester fibers.  |
| Outer sheath                        | PUR   |
| Sheath colour                       | Black   |
| Printing                            | Yes   |
| Other characteristics               | type/ attenuation/ bandwidth/ aperture/ refraction index<br>E9-1310 nm/ 0,5 dB/km / 3,5 ps/ nm*km/ 1,425<br>E9-1550 nm/ 0,3 dB/km/ 18 ps/ nm*km/ 1,425<br>50-850 nm/ 3 dB/km/ 60-1500MHz km/ 0,2±0,02/ 1,47<br>50-1300 nm/ 13 dB/km/ 400MHz km/ 0,2±0,02/ 1,47<br>62,5-850 nm/ 3,5 dB/km/ 200MHz km/ 0,27±0,02/ -<br>62,5-1300 nm/ 1,5 dB/km/ 600MHz km/ 0,27±0,02/ - |
| Min. bending radius fixed           | 6 x d   |
| Min. bending radius moved           | 10 x d  |
| Operating temperature fixed min/max | -40 °C / +80 °C   |
| Operating temperature moved min/max | -30 °C / +70 °C   |
| Burning behaviour                   | Similar to IEC 60332-2-1  |
| Resistant to Oil                    | Acc. to EN 60811-2-1  |



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| Varenummer                            | Dimensioner (n x mm <sup>2</sup> ) | Yder Ø mm (min-maks) | Vægt (kg/km) |
|---------------------------------------|------------------------------------|----------------------|--------------|
| Festoonfiberflex Pur-HF - Single Mode | 12 E9/125                          | 13,0 - 15,0          | 170          |
|                                       | 18 E9/125                          | 13,0 - 15,0          | 170          |
|                                       | 24 E9/125                          | 13,0 - 15,0          | 170          |
| Festoonfiberflex Pur-HF - Multimode   | 12 G50/125                         | 13,0 - 15,0          | 170          |
|                                       | 18 G50/125                         | 13,0 - 15,0          | 170          |
|                                       | 24 G50/125                         | 13,0 - 15,0          | 170          |
|                                       | 12 G62/125                         | 13,0 - 15,0          | 170          |
|                                       | 18 G62/125                         | 13,0 - 15,0          | 170          |
|                                       | 24 G62/125                         | 13,0 - 15,0          | 170          |

For mere specifikke oplysninger om disse produkter, og hvordan de kan dække dine behov, ring venligst

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