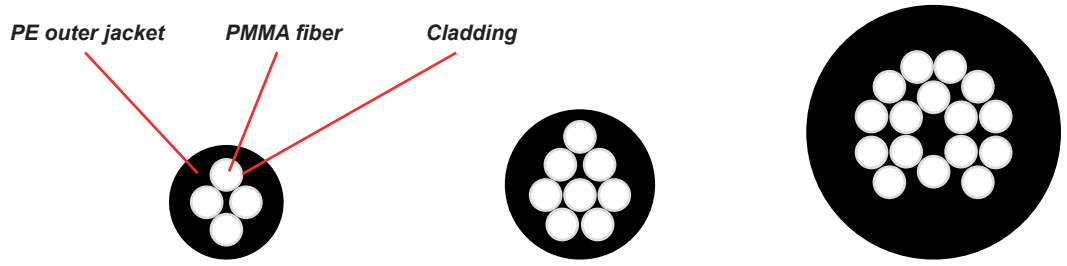


Plastic Fiber (POF) Bundle with PE jacket



Pic. 1 Fiber bundle with 4/8/16 fibers cross-section with description

1 Features

- POF indoor cable
- Bundle fiber construction
- Fiber 265µm step index
- high numerical aperture
- PE outer jacket
- attenuation < 0.3 dB/m @ 650nm
- highly flexible
- excellent optical properties (visible range)

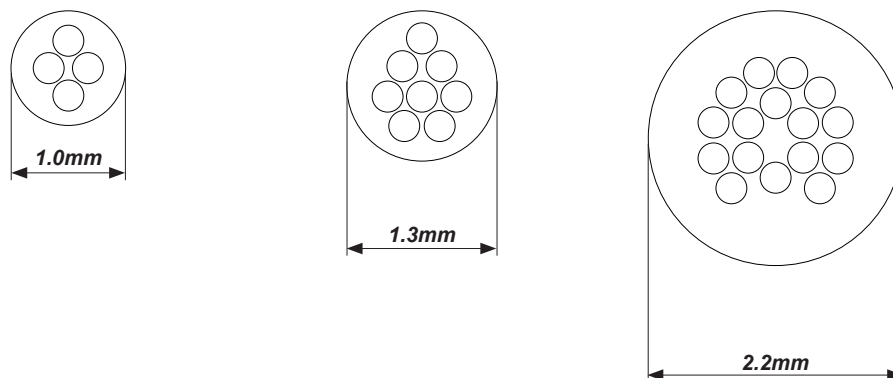
3 Applications

- ideal for indoor installations
- industrial environment
- optical networks
- industrial electronics
- power electronics
- sensor technology
- lighting engineering

4 Ordering information

Specification	Part number
Simplex 4x265µm	903IP26104101
Simplex 8x265µm	903IP26108131
Simplex 16x265µm	903IP26116221

2 Drawing



Plastic Fiber (POF) Bundle with PE jacket

5 Technical data

Outer diameter cable	903IP26104101 903IP26108131 903IP26116221	1.0mm 1.3mm 2.2mm
Fiber diameter		265µm
Cladding		appr. 20µm
Number of fibers	903IP26104101 903IP26108131 903IP26116221	4 8 16
Material	Outer jacket Fiber core Cladding	PE PMMA Fluoro polymer
Weight	903IP26104101 903IP26108131 903IP26116221	appr. 3,0 kg/km appr. 4.0 kg/km appr. 6.0 kg/km
Min. bending radius	903IP26104101 903IP26108131 903IP26116221	≥ 13mm ≥ 17mm ≥ 25mm
Max. pull force	Short-term during installation Operation	≤ 60 N ≤ 10 N
Max. compressive load	Short-term during installation Operation	≤ 40 N/cm ≤ 6 N/cm
Thermal properties	Transport and storage Installation Operation	-45°C to +70°C -5°C to +50°C -40°C to +70°C
Attenuation	@ 650nm	≤ 0.3 dB/m
Numerical aperture	@ 650nm	0.50
Angle of incidence		60°

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