



POF cables are divided into the following fiber groups:

POF buffered fibers:

- Step-index standard
- Step-index POF low/high NA
- Step-index high-temperature
- Step-index for fast Ethernet
- Graded-index

POF cables are available for indoors and outdoors. A wide range of constructions are available depending on the requirement. Special requirements in terms of flexibility, resistance to oil, resistance to UV, freedom from halogen or flame retardancy are met by selecting suitable components.

POF cable specifications		I-V4Y(ZN)11Y 1P980/1000 HEAVY	I-VY(ZN)Y 1P980/1000	I-V2Y(ZN)11Y 1P980/1000 3.6 mm	I-V2Y(ZN)11Y 1P980/1000 6.0 mm	I-V2Y(ZN)HH 2x1P980/1000	
Order no.		84C00100S333	84C00200S333	84C00800S333	84C01000S333	84D00900S222	
Composition	Buffer tube material	PA	PVC	PE	PE	PE	
	Outer jacket material	PUR	PVC	PUR	PUR	FRNC	
	No. of POF elements (980/1000 μm)	1	1	1	1	2	
	Outer Ø [mm]	6.0	3.6	3.6	6.0	4.7 × 8.2	
Mechanical properties	Min. bending radius [mm]	during installation	50	70	70	70	
		long-term	30	50	50	50*	
	Max. pull force [N]	short-term	500	250	250	400	400
		long-term	200	100	100	100	100
Approx. cable weight [kg/km]		32	12	11	32	43	
Thermal properties	Operating temperature [°C]		-20 to +70	-20 to +70	-20 to +70	-20 to +70	
Attenuation	[dB/km] at 650 nm (Laser)		< 160	< 190	< 160	< 160	< 190
	[dB/km] at 660 nm (LED)		< 230	< 290	< 230	< 230	< 290

* over flat side

