



## Cable structure

Fibre type: POF 980/1000  
Fibre cladding: PA

## Optical characteristic

Refractive index core: 1,492  
Refractive index cladding: 1,419  
Numerical aperture: 0,5  
Attenuation see table

## Temperature range

Laying, min.: -5°C  
Laying, min.: +50°C  
Operating, min.: -20°C  
Operating, max.: +70°C

Designation	Outer sheath material	Outer sheath colour	Outer Ø ca. mm	Max. tensile force N	Min. stat. bending radius mm	Fibre attenuation	Oil-resistant	Acc. to DESINA	Weight kg / km	Part no.
I-V4Y(ZN)11Y 2P980/1000 RUGGED	PUR	Red	8,00	100	50,0	160A1	yes	no	42,00	<b>801200</b>
I-V4Y(ZN)11Y 2P980/1000 HEAVY	PUR	Red	6,00	100	30,0	160A1	yes	no	28,00	<b>801202</b>
I-V4Y(ZN)11Y 2P980/1000 FLEX RUGGED	PUR	Red	8,00	100	50,0	250A1	yes	no	51,00	<b>801201</b>

Dimensions and specifications may be changed without prior notice.

## Application

Signal lines as plastic optical fibre. The use of these transmission systems significantly reduces the number of different cables in a planned bus installation in machine tools operations. Furthermore, possible EMC problems are prevented by the metal-free construction. The main application of these cables are in machine construction and automobile industry (PA version).