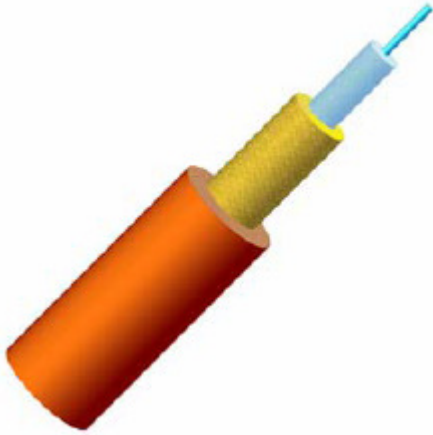


Serie MR 320



Properties:

- Duct installation
- Fungus resistant
- UV resistant
- Water resistant
- Direct burial
- Aerial
- High flex life
- Soft and flexible
- Accommodates tight bends
- Mechanical resistant
- Low Friction
- Petrochemical resistant
- Severe chemical environments

Description

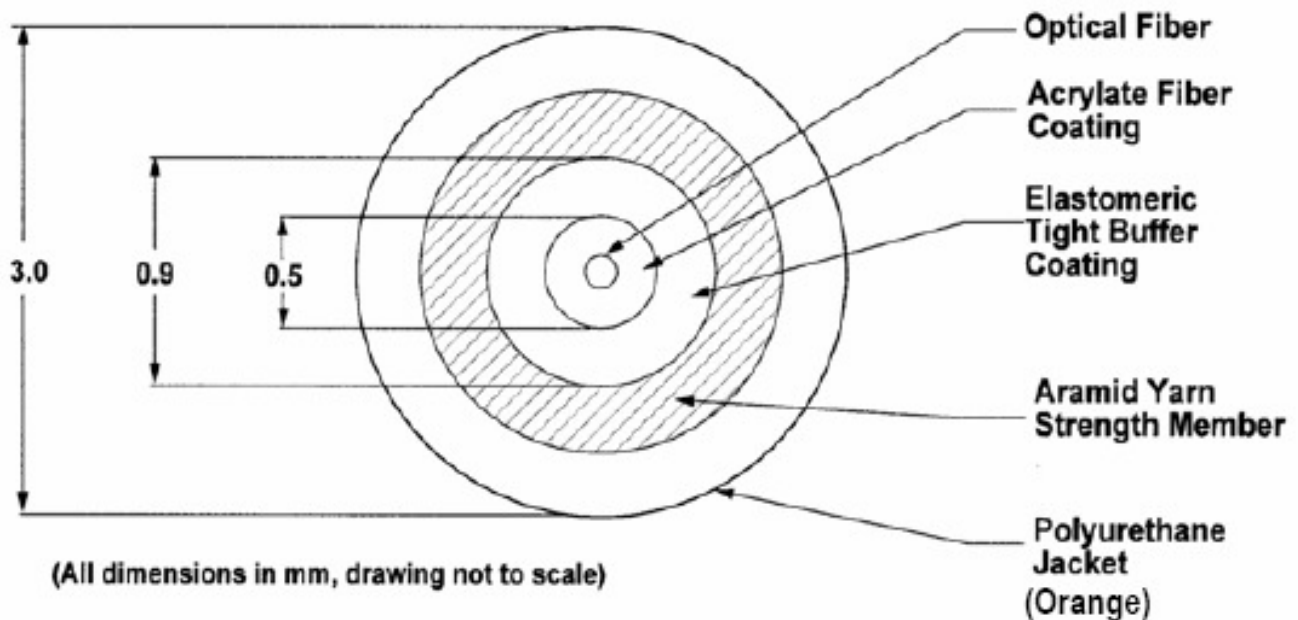
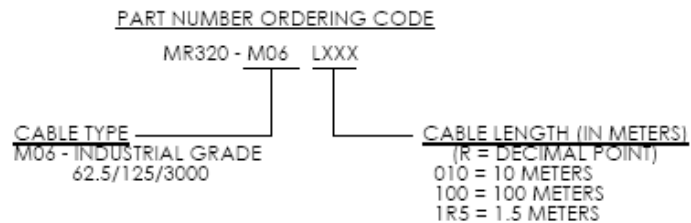
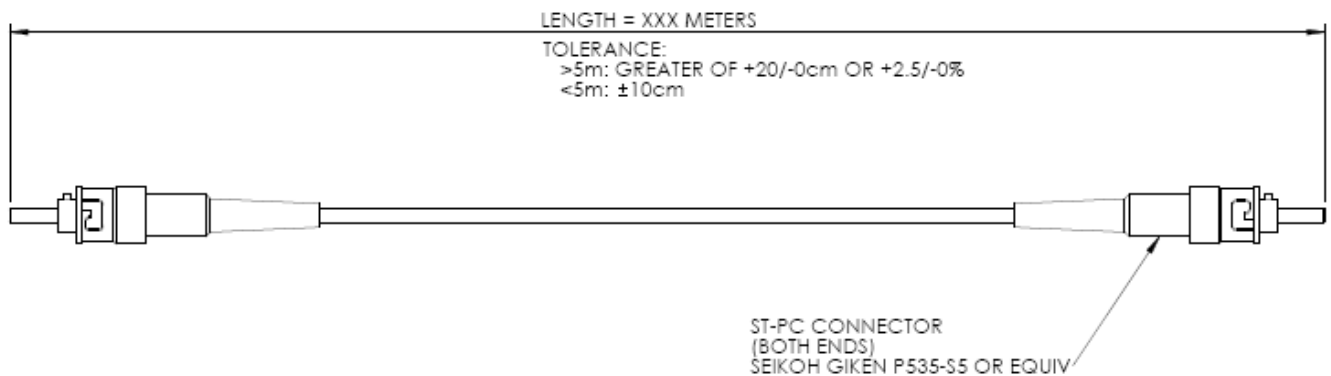
Micronor's MR320 optical cable is a proven rugged and robust optical link solution for deploying the ZapFREE Fiber Optic Rotary Encoder System in a broad range of industrial and outdoor applications. It is an extremely strong, lightweight, rugged tightbuffered cable designed originally for military tactical field use.

The cable is designed to be crush resistant, resilient, and offers exceptional mechanical protection for the internal optical fiber. It is extremely flexible and can withstand repetitive flexing and motion found in elevator and robotic application.

The polyurethane jacket offers exceptional abrasion, cut, chemical and UV resistance. The cable can be deployed in traditional cable tracks and raceways but is rugged enough to be clamped directly to equipment surfaces. Temperature range is -70 °C to +85 °C.

Serie MR 320

Massbild



Serie MR 320

Technical Data

Fiber Type	Multimode	
Core / Cladding Diameter	62.5µm / 125µm	
Primary Coating Diameter	500µm	
Secondary Coating Diameter	900µm	
Numerical Aperture	0.275	
Proof Test Level	100kpsi	
<u>Wavelength</u>	<u>850nm</u>	<u>1310nm</u>
Attenuation	3.0dB / km	1.0dB / km
Laser bandwidth (MHz-km RML)	220	500
LED bandwidth	200	500
Cable weight	8.4kg / km	
Installation	Max Tensile Load	600N
	Min Bend Radius	4.8cm
Operating	Max Tensile Load	350N
	Min Bend Radius	2.4cm
Impact resistance	200 impacts (EIA/TIA-455-25 Military Requirement)	
Crush resistance	440N / cm (EIA/TIA-455-25 Military Requirement)	
Temperature	Operating	-55°C to +85°C
	Storage	-70°C to +85°C

Order key

MR 320 . xxxx



Cable length