

Micronor's DIST series fiber optic cable assemblies offer a turn-key solution for deploying Optocon TS series fiber optic temperature probes in a broad range of environments. We offer 3 cable options depending on the nature of the application:

- DIST-C320 is a low cost, general purpose grade for laboratory and benign outdoor environments.
- DIST-C900 is a rugged, indoor/outdoor/outside plant cable for industrial applications
- DIST-CABLE is an extreme temperature, chemical resistant rated cable

The PUR jacketed cables are crush resistant, flexible, resilient and offer exceptional mechanical protection for the internal fiber. These cables are ideal for deployment in traditional cable tracks and raceways.



DIST-C320
General Purpose



DIST-C900
Industrial



DIST-CABLE
Extreme Temperatures

Specifications

Fiber Characteristics			
Fiber Type	Multimode		
Core/Cladding/NA	200 μm/220 μm, Step Index, VIS-IR, Low OH-, 0.22NA		
Attenuation	≤ 3dB/km at 850nm		
Cable Attributes	DIST-C320	DIST-C900	DIST-CABLE
Applications	General Purpose	Industrial	Extreme Temperatures
Cable Diameter	Ø2.9 mm	Ø2.9 mm	Ø1.3 mm
Jacket Material	85A Thermoplastic Polyurethane (PUR, White)	95A Thermoplastic Polyurethane (PUR, White)	PTFE Hose (Blue)
Flame Retardance	UV94-V0	UL94-V0	None
Chemical Resistance	Moderate	Good	Excellent
UV Resistance	Moderate	Good	None
Max. Tensile Load	Installation: 335 N Operation: 174 N	Installation: 360 N Operation: 190 N	None
Min. Bend Radius	Installation: 21.2 mm Operation: 26.7 mm	Installation: 21.2 mm Operation: 26.7 mm	Installation: 60 mm Operation: 60 mm
Cable Weight	6.82 kg/1000m	7.27 kg/1000m	2.5 kg/1000m
Temperature	-55°C to +85°C	-55°C to +85°C	-200°C to +300°C
ST Connections			
Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C

Specifications subject to change without notice

Ordering Info Fiber Optic Extension Cables For FOTEMP Systems

DIST - C320 - 10

Cable Type

- C320** Low Cost, Ø2.9mm PUR Jacketed Cable
For General Purpose Indoor Applications
- C900** Ruggedized Ø2.9mm PUR Jacket Cable
For Indoor/Outdoor/OSP Applications
- CABLE** High Temperature Ø1.3mm PTFE Jacketed Cable

Cable Length, ST to ST

- 003** 3m
- 005** 5m
- 010** 10m
- 050** 50m
- 100** 100m

NOTE: Other lengths upon request

Note: All cable assemblies include one MR320A ST-to-ST Bulkhead Adapter

Quick Ship Cables

General Purpose

- DIST-C320-003** General Purpose, Length=3m
- DIST-C320-005** General Purpose, Length=5m
- DIST-C320-010** General Purpose, Length=10m

High Temperature

- DIST-CABLE-003** High Temperature, Length=3m
- DIST-CABLE-010** High Temperature, Length=10m

Ordering Info

MR320A

Accessories

ST to ST Bulkhead Receptacle



SINGLE-FT

ST to ST Optical Feedthrough,
Max 200 bar (2900 psi) Pressure,
1/4 MNPT ANSI Fitting,
For Penetrating Tank Walls and Oil-Filled
Transformers,



MR398-DIN4-AA

DIN-Rail Mount Patch Panel, 4 Channel, ST



MICRONOR INC, 900 Calle Plano, Suite K,
Camarillo, CA 93012 USA
T +1 805 389 6600 F +1 805 389 6605
sales@micronor.com www.micronor.com

OPTOCON AG, Washingtonstrasse 16/16A,
D-01139 Dresden, Germany
T +49 351 843 5990 F +49 351 843599 111
sales@optocon.de www.optocon.de