micronor sensors

FIBER OPTIC ACCESSORIES
DIST Fiber Optic Extension Cables For FOTEMP Systems

DIST SERIES

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 cable for laboratory and benign outdoor environments.
- DIST-C900 is a rugged, indoor/outdoor/outside plant cable for industrial and harsh environment applications
- DIST-CABLE is an extreme temperature, chemical resistant rated cable for limited distance.

The PUR jacketed cables are crush resistant, flexible, resilient and offer exceptional mechanical protection for the 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	≤ 4dB/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 Tubing (Blue)
Flame Retardance	UV94-V0	UL94-V0	None
Chemical Resistance	Moderate	Good	Excellent
UV Resistance	Moderate	Good	Good
Max. Tensile Load	Installation: 335 N Operation: 174 N	Installation: 360 N Operation: 190 N	None
Min. Bend Radius	Installation: 22 mm Operation: 27 mm	Installation: 22.2 mm Operation: 27 mm	Installation: 60 mm Operation: 60 mm
Cable Weight	6.82 g/meter	7.27 g/meter	2.5 g/meter
Cable Temperature (for routing)	-55°C to +85°C	-55°C to +85°C	-200°C to +300°C
ST Connections	Note: ST connector ends are not rated same as cable		
Temperature (connector end)	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C

Specifications subject to change without notice

Ordering Info   FOTEMP-Compatible Fiber Optic Extension Cables

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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 extension cables 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

General Purpose

DIST-C900-003	Industrial Grade, Length=3m
DIST-C900-005	Industrial Grade, Length=5m
DIST-C900-010	Industrial Grade, Length=10m

Ordering Info   Accessories

Standard Mating Adapter

MR320A	ST-to-ST Bulkhead Adapter

Hermetic/Pressure Vessel Feedthroughs (min 10-7 Torr, max 2900 psi)

EOF0008	ST-to-ST Hermetic Feedthrough, 1/4-18 NPT Thread
EOF0245	ST-to-ST Hermetic Feedthrough, M14x1.5 Metric Thread

Vaccuum Chamber Hermetic Feedthroughs (min 10-7 Torr)

EOF0049	Dual Port ST-to-ST Hermetic Feedthorugh, KF40 Flange
EOF0050	Single Port ST-to-ST Hermetic Feedthorugh, KF40 Flange

DIN Rail Mount Patch Panel

MR398-DIN4-AA	DIN Rail Mount Patch Panel, 4 Channels x ST