PERFORM BEYOND EXPECTATIONS.

BERK-TEK PRODUCT CATALOG

THE WORLD'S HIGHEST PERFORMING NETWORK CABLES HAVE **BERK-TEK** WRITTEN ALL OVER THEM

Berk-Tek®
A NEXANS COMPANY

www.berktek.com

OneReach:
One Pathway. One Pull. One Solution.

OneReach enables you to take power easily from the closet, over the OCA to the Remote PoE Port specially suited for your application.

FROM THE CLOSET...

The OneReach System begins in the local closet with the PI. The PI provides both the power to run the system and the technology to transmit the data signals to previously unreachable distances.

This approach to IP-based security enables the consolidation of device management through the existing network infrastructure. By locating the power for remote devices in a single local closet, users are able to consolidate UPS devices and streamline and simplify management. Unlike traditional installations, with OneReach there is no need to provide for redundant power at a variety of remote and possibly environmentally hostile locations.

SPANNING THE DISTANCE...

Speed, simplicity and performance. You find them all in the OCA of the OneReach System. Power and data transmission are supported within a single jacket through the use of Berk-Tek CL3P-OF or CL3R-OF rated composite copper/fiber cable.

Rapid and reliable installation is the norm with OneReach, which lets you take PoE and PoE+ to new distances. The stranded conductors provide enough power to support PoE to distances well beyond the 100 meters supported through traditional twisted pair cabling. Combine this with the highest quality OM3 optical fiber, and you get an unparalleled solution for flawless data transmission.

Power Injection Devices

Operating Temperature: 0°C to +50°C

PART NO.	DESCRIPTION	SLOTS OCCUPIED	QTY. OF SUPPORTED PoE POWERED DEVICES	
			PoE ports supported	PoE+ ports supported
81000170	PoE Media Module, 1-port (no chassis required), w/ext AC Power Supply	N/A	1	N/A
81000217	PoE+ Media Module, 1-port (no chassis required), w/ext AC Power Supply	N/A	1	1
81000380	PoE+ Media Module, 1-port, 10/100/1000Mb/s	N/A	1	1
81000333	PoE Media Module, 1-port, w/DIN rail mount	N/A	1	N/A
81000342	PoE+ Media Module, 1-port, w/DIN rail mount	N/A	1	1
81000463	1U Mounting Bracket, 2x 1-port Media Modules	N/A	N/A	N/A
81000166	2U Power Injector Chassis, w/rear terminal blocks, 6 available slots	N/A	N/A	N/A
81000167	4U Power Injector Chassis, w/rear terminal blocks, 12 available slots	N/A	N/A	N/A
81000215	Power Supply Module; dual voltage, 12 & 54 VDC 400 W, AC input	2	12	8
81000173	Media Module, 4-port 10/100Mb/s, MTP, MM, RJ45	1	4	4
81000172	Media Module, 4-port 10/100Mb/s, Rear LC Duplex, MM, RJ45	1	4	4
81000413	PoE Media Module, 4-port, 10/100/1000Mb/s, Rear LC Duplex	1	4	4
81000414	PoE Media Module, 4-port, 10/100/1000Mb/s, MTP Rear	1	4	4
81000190	Blanking panel	1	N/A	N/A

OneREACH BENEFITS

- ▸ Simplifies device management and enables UPS consolidation
- ▸ Uses simple screw terminal connections
- ▸ Supports PoE and PoE+
- ▸ Simple, single pull installation
- ▸ Combines control and communication in industrial pathways
- ▸ Designs for plenum and riser indoor, outdoor and indoor/outdoor environments
- ▸ Able to support distances beyond 2,500 feet
- ▸ Pigtail available for use in 1-port applications
- ▸ No need to install remote power outlets, remote industrial switches or remote UPS
- ▸ Easily attach pre-terminated LC or MPO connectors for data transmission
- ▸ Standard M8 connector screws into place to complete power circuit
- ▸ Uses standard RJ45 connectivity to patch to any IP-based device
- ▸ Allows common pathway for fiber backbone and Class 3 power supply

TO YOUR DEVICE.

Whether you need to enable gigabit access for a single wireless access point for a common study area on campus or to support multiple cameras securing a remote parking area, the OneReach System gives you the power to get the job done.

OneReach enables you to take power easily from the closet, over the OCA to the Remote PoE Port specially suited for your application. And no matter which RPP you select, to support one or multiple-devices, completing the OneReach System installation is a snap.

OneReach Cable Assemblies
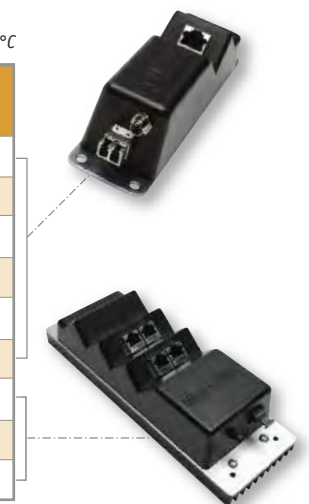
Operating Temperature: -40°C to +75°C

NUMBER OF CONDUCTORS	CONDUCTOR GAUGE SIZE	CABLE TYPE	FIBER TYPE	# OF FIBERS	CABLE PART NUMBER	APPLICATION	SUPPORTED DISTANCE TO RPP:	
							PoE	PoE+
2	18,18	Tight buffer	OM3	2	BHCR02EAA044FFNM8Pxxx	1-port assembly	1,000 ft./305 m.	650 ft./200 m.
2	12,12	Tight buffer	OM3	2	BHCR02EDD044FFNM8Pxxx	1-port assembly	3,850 ft./1,175 m.	2,500 ft./760 m.
3	18,18,18	Loose tube	OM3	12	BACR12EAAA77NNNM8Pxxx	4-port assembly	250 ft./75 m.	160 ft./50 m.
3	12,12,18	Loose tube	OM3	12	BACR12EADD77NNNM8Pxxx	4-port assembly	960 ft./290 m.	625 ft./190 m.
2	18,18	Pigtail	N/A	0	M8 pigtail for field termination	Pigtail	N/A	N/A
2	18,18	Tight buffer	OM3	2	HDRC002EB3010/25-2x18AWG (1 M8 pigtail needed)	1-port bulk cable	1,000 ft./305 m.	650 ft./200 m.
2	12,12	Tight buffer	OM3	2	HDRC002EB3010/25-2x12AWG (1 M8 pigtail needed)	1-port bulk cable	3,850 ft./1,175 m.	2,500 ft./760 m.

xxx is length of assembly in feet. Contact Berk-Tek Inside Sales at 1-800-BERK-TEK for exact part number and pricing.
Plenum rated assemblies also available.

Remote PoE Ports

Operating Temperature: -40°C to +50°C

PART NO.	DESCRIPTION	QTY. OF SUPPORTED POWERED DEVICES
81000174	PoE Remote Converter, 1-port, 10/100Mb/s, LC Duplex, MM, RJ45, M8 Pwr Input	1
81000218	PoE+ Remote Converter, 1-port, 10/100Mb/s, LC Duplex, MM, RJ45, M8 Pwr Input	1
81000381	PoE+ Remote Converter, 1-port, 10/100/1000Mb/s, LC Duplex, MM, RJ45, M8 Pwr Input	1
81000462	High PoE Remote Power Port, 1-port, 10/100Mb/s, LC Duplex, MM, RJ45, Pwr Input	1
81000334	PoE Remote Converter, 1-port, w/DIN rail mount, 10/100Mb/s, LC Duplex, MM, RJ45, M8 Pwr Input	1
81000343	PoE+ Remote Converter, 1-port, w/DIN rail mount, 10/100/1000Mb/s, LC Duplex, MM, RJ45, M8 Pwr Input	1
81000176	PoE Remote Converter, 4-port, 10/100Mb/s, MTP(m), MM, RJ45	4
81000177	PoE+ Remote Converter, 4-port, 10/100Mb/s, MTP, MM, RJ45	4
81000415	PoE+ Remote Converter, 4-port, 10/100/1000Mb/s, MTP(m), MM, RJ45	4

Technical support for the OneReach product can be reached at: 800-237-5835 or via email at fiber-pc.us@nexans.com.

RoHS COMPLIANT

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