

## Contact

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## OneReach Cable Assembly

The OneReach Cable Assembly (OCA) combines optical fiber and copper conductors in a single assembly that easily attaches with standard LC or MPO and M8 connectors to reach distances up to 3,850 feet.

### Description

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 CL3R-OF rated composite copper/fiber cable. These cables combine 12 AWG or 18 AWG stranded conductors with either tight-buffered or loose tube optical fiber cable designs to support 1- or 4-port remote devices.



Building upon the strength of the innovative cable design, assemblies are built to the specific length requirements of each project, and arrive on-site with pre-tested optical fiber connectors and an M8 connector for power on the remote device end, ready to install. The local end of the assembly attaches effortlessly to the local media module or power injector chassis with standard LC connectors and easy to use screw terminals.

### Standards

**International** EN 50173; ISO/  
IEC 11801

**National** ANSI/ICEA S-104-696;  
UL 13

Rapid and reliable installation is the norm with OneReach, which lets you take 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.

### Benefits





- Simple, single pull installation
- Combines control and communication in industrial pathways
- Provides common pathway for fiber backbone and Class 3 power supply
- Can be used in wet or dry locations
- Designs for indoor, outdoor and indoor/outdoor environments
- Able to support distances beyond 2,500 feet



## OneReach Cable Assembly

### Characteristics

Construction characteristics	
Fiber optic type	OM1 62.5/125
Usage characteristics	
RoHS conform	Yes

### Product List

Part Number	Description
 BHCR02CDD04NFM8NPxxx	LC & M8 Preconnectorized Composite 2 Fiber OM1 with Two 12 AWG Stranded Conductors, Tight Buffer
 BHCR02CAA04NFM8NPxxx	LC & M8 Preconnectorized Composite 2 Fiber OM1 with Two 18 AWG Stranded Conductors, Tight Buffer
 BACR08CADD77NNM8NPxxx	MPO & M8 Preconnectorized Composite 8 Fiber OM1 with One 18 AWG and Two 12 AWG Stranded Conductors, Dry Loose Tube
 BACR08CAA77NNM8NPxxx	MPO & M8 Preconnectorized Composite 8 Fiber OM1 with Three 18 AWG Stranded Conductors, Dry Loose Tube

 = Make to order,  = Make to stock

### OneReach Cable Assemblies

Number of Conductors	Conductor Gauge Size	Cable Type	Fiber Type	# of Fibers	Cable Part Number	Application	Supported Distance to RPP: PoE	
							ft.	m
2	18, 18	Tight buffer	OM1	2	BHCR02CAA04NFM8NPxxx	1-port assembly	1000	305
2	12, 12	Tight buffer	OM1	2	BHCR02CDD04NFM8NPxxx	1-port assembly	3850	1175
3	18, 18, 18	Dry loose tube	OM1	8	BACR08CAA77NNM8NPxxx	4-port assembly	2580	75
3	12, 12, 18	Dry loose tube	OM1	8	BACR08CADD77NNM8NPxxx	4-port assembly	960	290

### Manufacturing Release

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