



Direct Attach Solution

A field installed plug-to-horizontal cable solution, the direct attach termination method eliminates workstation outlets and patch cords at the device end. Berk-Tek provides a warranty for direct attach, backed by third-party verified testing.



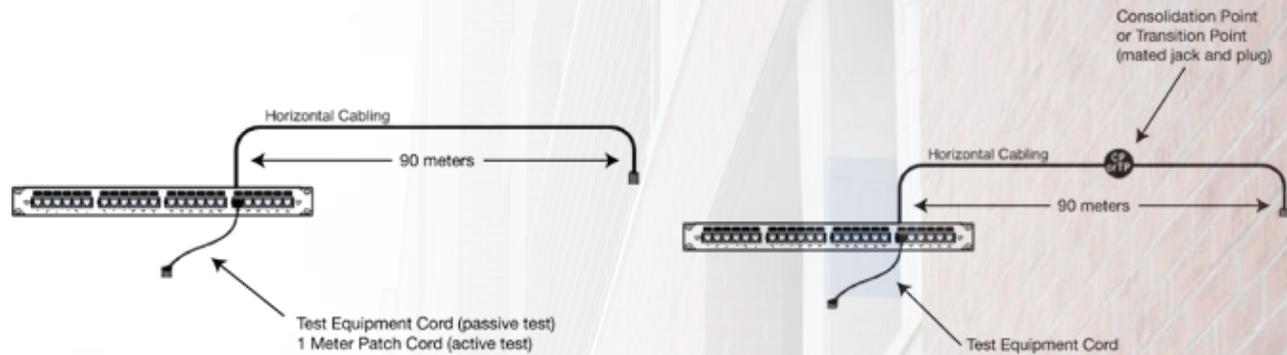
Berk-Tek[®]
A NEXANS COMPANY

Standards' Compliant Direct Attach

Connectivity for IP devices, such as security cameras, differ from typical data and voice outlets. Often the installation environment can not accommodate a jack-to-outlet termination. As a result, a direct attach method, which is a field-installed plug terminated to solid conductor horizontal cable, is accepted by industry standards when implementing these devices through structured cabling. The TIA-862A standard for Building Automation Systems (BAS) recognizes that the workstation outlet and patch cord at the device end may be eliminated, if deemed unsafe. The ANSI/BICSI-005 standard, scheduled for ratification in 2013, details the design and implementation of Electronic Safety and Security (ESS) applications through structured cabling and provides additional installation and testing guidelines for direct attach scenarios. This includes, but is not limited to IP devices, such as cameras, access controls, industrial sensors, lighting and wireless access points. Underwriters Labs (UL) provides validated test procedures for the BICSI-005 standard. Berk-Tek offers an extended warranty through their OASIS (Open Architecture) program. Through this program, Berk-Tek provides a list of approved tested plugs (*See chart below*).

UL-Validated Test Procedures

In the upcoming BICSI-005 standard UL provided detailed testing guidelines. Known as a "Single Connector Modified Permanent Link" because it is not a true channel or end-to-end permanent link, the two acceptable test methods are shown in the diagrams below:



OASIS Approved Plugs

	Manufacturer	Category 5e: HyperPlus-5e LANmark-350	Category 6: LANmark 6 LANmark-1000	Premium Cat 6: LANmark-2000	Category 6A: LANmark-10G2	Termination Tool
	Bel Stewart	SS-37000-011	SS-39100-021	-	-	2990003-01
	Sentinel	111-08080028L34	111-08080054L34	-	-	90015
	AllenTel	-	-	AT8X8RCSC-24	-	AT 568, AT 680
	Metz/BTR	140145012	140145012	140145012	-	no termination tool needed
	Telegartner		MFP8	MFP8	MFP8	no termination tool needed

Performance testing specifications available from Berk-Tek