



Performance and Warranties Profile for RemoteIP Systems Certified Installations

Overview:

Belden will provide its authorized Partner Alliance Networking Installers, for the benefit of their end-users, with both an extended Belden Component Warranty and a Lifetime Application Assurance Program for all Belden Certified Networking Systems installed by the Certified Partner Alliance Networking Installer.

The extended Belden Component Warranty and the Lifetime Application Assurance Program are offered to the Certified Partner Alliance Installer by Belden Inc., in accordance with the following terms and conditions.

This Belden Component Warranty and this Lifetime Application Assurance Program apply only to Belden Certified Networking Systems installed by the Certified Partner Alliance Networking Installer in compliance with the Partner Alliance Networking Agreement.

A Belden Certified Networking System is a structured cabling system that has been engineered, designed and installed by the Belden Certified Partner Alliance Networking Installer. The engineering, design and installation of the Belden Certified Networking System must be performed in accordance with all applicable Belden guidelines, practices and other Belden Program Documentation in effect at the time of installation. Belden structured cabling installations that meet these requirements will receive a Certification Registration Number and certification plaque or certificate from Belden and will then be designated as a Belden Certified Networking System, eligible for the extended Belden Component Warranty and Lifetime Application Assurance Program described below.

In order to maintain the validity of the extended Belden Component Warranty and the Lifetime Application Assurance Program, the Belden Certified Networking System must be maintained in accordance with the Belden End-User Guide in effect at the time of installation.

Extended Belden Component Warranty:

Belden warrants that:

1. The Belden components installed in the Belden Certified Networking System are covered by a manufacturer's warranty against defects in material and workmanship for a period of twenty-five (25) years from the date of installation at the original installation location.
2. The Belden Certified Networking System will meet or exceed the UTP channel transmission requirements specified by the Belden Long Reach Channel and PL Test Limits.

Once an installed Belden passive component has been deemed defective by Belden, Belden shall repair or replace, at Belden's discretion, the defective component. Belden may use refurbished materials in either repair or replacement procedures, and the repaired or replaced component will be warranted for the balance of the original twenty-five-year warranty period, or ninety (90) days, whichever is longer.

The repair or replacement of a defective component under this warranty includes the reasonable costs of labor required to repair or replace the defective component. The decision to repair or replace components, and the selection of labor services to perform the repair or replacement, are at the sole discretion of Belden Inc.

Lifetime Application Assurance Program:

In addition to the extended Belden Component Warranty, Belden also provides a Lifetime Application Assurance Program for all Belden Certified Networking Systems.

Belden's Lifetime Application Assurance Program warrants that the Belden Certified Networking System will be capable of supporting the industry standard applications as certified at its original installation location.

Industry standard applications include: 10BASE-T, 100BASE-T, and 1000BASE-T in compliance to the "Transmission and Power Maximum Reach" table below and identified in the current (at time of installation) Belden Program Documentation.

In the event that the Belden Certified Networking System is unable to support an existing or future industry standard application as defined above, and such failure can be attributed to a deficiency in the Belden Certified Networking System, Belden will provide, at its expense, reasonable expertise, Belden materials and labor as required to remedy the problem and/or resolve the claim. The decision to repair or replace materials, and the selection of labor services to perform the remedial services, are at the sole discretion of Belden Inc.

Limitations:

Belden Inc. will not be liable for, nor pay for, any loss of use of the Belden Certified Networking System or products; costs of substitute goods, facilities or services; or for any other economic losses or incidental, consequential or exemplary damages.

This extended Belden Component Warranty and Lifetime Application Assurance Program for the Belden Certified Networking System does not cover any deficiencies in the System that result from failure to comply with Belden Design Guides,



Program Documentation and installation procedures, as well as ANSI/NECA/BICSI 568-2006, Standard for Installing Commercial Building Telecommunications Cabling. Belden connectivity conforms to requirements of

IEC 60603-7 and is interoperable with all connectivity meeting this requirement. This warranty does not cover products not supplied by Belden Inc., including port damage to active equipment.

Belden Inc. shall not be liable for damages or defects resulting from circumstances beyond its control, including, but not

limited to, any misuse, abuse, neglect, alternation, unauthorized or improper repairs, acts of God or accidental damage or exposure (including, without limitation, damage by fire, water, paint, chemicals or natural disaster). Repair or replacement of the Belden Certified Networking System by Belden Inc. is your exclusive remedy.

This is the only warranty for the Belden Certified Networking System. There are no other warranties, express or implied, offered by Belden Inc.

Extended Channel Distance for Application-Specific Requirements

Belden Certified RemoteIP Systems using a 2- to 4-connector topology are guaranteed to meet or exceed the following PoE and data speed performance levels at the extended channel distance shown in the table to the right. All conditions regarding original design, installation and maintenance for Belden Certified Networking Systems must be met in order to validate these performance parameter guarantees at the provided distances.

Transmission and Power Maximum Reach - IEEE Application Standard

Cabling Solution	PoE	10BASE-T 10 Mb/s	100BASE-T 100 Mb/s	1000BASE-T 1 Gb/s
RemoteIP	15W PoE (Type 1)	215 m (705 ft)	200 m (656 ft)	130 m (426 ft)
	30W PoE (Type 2)	215 m (705 ft)	200 m (656 ft)	130 m (426 ft)
	60W PoE (Type 3)	215 m (705 ft)	200 m (656 ft)	130 m (426 ft)
	100W PoE (Type 4)	215 m (705 ft)	200 m (656 ft)	130 m (426 ft)

Note: maximum length may vary when used at high temperatures

System	Horizontal Cable	Jacks	Plugs	Patch Cords
RemoteIP	RIPPU RIPRU	RV6MJKUxx-yyy RVAMJKUxx-yyy KeyConnect and MDVO Category 6 & 6A Jacks xx = color code yyy = S1 or B25 packaging	RVAFPUBK-S1	C6011xxyyy CA211xxyyy xx = color code yyy = length in feet
			RVAFPUBK-B25	
			RV6FFPUBKxx-S1	
			RV6FFPUEWxx-S1	
			RVAFFPUBKxx-S1	
			RVAFFPUEWxx-S1	
			xx = length in inches	



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