RLH Industries, Inc.

PRODUCT SPECIFICATIONS

The leader in rugged fiber optic technology.

✓ *Unconditional Lifetime Warranty*

2011B-0307

Fiber Optic Cable Assemblies and Patch Cords

SPECIFICATION INFORMATION

Cable assemblies used in patch panels (Fiber Distribution Units) are an essential interface between fiber outside plant cable and optical equipment. RLH Industries, Inc. provides fiber optic cable for indoor or outdoor use, as well as fiber optic cable with high fiber count for use in outside plant applications.

We manufacture fiber optic patch cords or jumpers used for short distance patching applications. Our factory modification program allows you specify the exact length, fiber type and connectors for your needs.

General Specifications

Specification	Fiber Type	SC	SC-APC	ST
Attenuation 1300(dB)	Single-mode	Mean 0.25, sigma 0.1	Mean 0.25, sigma 0.1	Mean 0.25, sigma 0.15
	Multimode	Mean 0.15, sigma 0.05	–	Mean 0.15, sigma 0.05
Reflection (dB)	Single-mode	≤-50, Mean -58	≤-70, Mean -80	≤-50, mean -58
	Multimode	≤-25, Mean -27	–	≤-25, Mean -27
Connection durability (dB)	Single-mode	<0.2 change	<0.2 change	<0.1 change
	Multimode	<0.2 change	–	<0.2 change
Number of matings	Single-mode	500	500	500
	Multimode	500	–	500
Operational temperature Connector only (cable dependent)	Single-mode	-40° to 85°C	-40° to 85°C	-40° to 85°C
	Multimode	-40° to 85°C	–	-40° to 85°C
Storage temperature	Single-mode	-40° to 85°C	-40° to 85°C	-40° to 85°C
	Multimode	-40° to 85°C	–	-40° to 85°C
Material				
Connector housing	Single-mode	Engineering thermoplastic	Engineering thermoplastic	Nickel plated zinc
	Multimode	Engineering thermoplastic	–	Nickel plated zinc
Connector ferrule	Single-mode	Zirconia ceramic	8° Angle Zirconia ceramic	Zirconia ceramic
	Multimode	Zirconia ceramic	8° Angle Zirconia ceramic	Zirconia ceramic
Alignment sleeve	Single-mode	Zirconia ceramic	Zirconia ceramic	Zirconia ceramic
	Multimode	Zirconia ceramic	–	Metal
Boot	Single-mode	Polyester	Polyester	Estane®
	Multimode	Polyester	–	Estane®
Backbone	Single-mode	Aluminum	Aluminum	Zinc alloy
	Multimode	Aluminum	–	Zinc alloy
Flame retardant	Single-mode	UL-94 V-O	UL-94 V-O	UL-94 V-O
	Multimode	UL-94 V-O	–	UL-94 V-O

General Specifications

Specification	Fiber Type	FC-PC	FC-APC
Attenuation 1300(dB)	Single-mode	Mean 0.25, sigma 0.15	Mean 0.20, sigma 0.10
	Multimode	Mean 0.15, sigma 0.05	–
Reflection (dB)	Single-mode	≤-50, Mean -58	≤-70, Mean -80
	Multimode	≤-25, Mean -27	–
Connection durability (dB)	Single-mode	<0.2 change	<0.2 change
	Multimode	<0.2 change	–
Number of matings	Single-mode	500	500
	Multimode	500	–
Operational temperature Connector only (cable dependent)	Single-mode	-40° to 85°C	-40° to 85°C
	Multimode	-40° to 85°C	–
Storage temperature	Single-mode	-40° to 85°C	-40° to 85°C
	Multimode	-40° to 85°C	–
Material			
Connector housing	Single-mode	Engineering thermoplastic	Engineering thermoplastic
	Multimode	Engineering thermoplastic	–
Connector ferrule	Single-mode	Zirconia ceramic	8° Angle Zirconia ceramic
	Multimode	Zirconia ceramic	–
Alignment sleeve	Single-mode	Zirconia ceramic	Zirconia ceramic
	Multimode	Zirconia ceramic	–
Boot	Single-mode	Polyester	Polyester
	Multimode	Polyester	–
Backbone	Single-mode	Aluminum	Aluminum
	Multimode	Aluminum	–
Flame retardant	Single-mode	UL-94 V-O	UL-94 V-O
	Multimode	UL-94 V-O	–

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Please contact your RLH sales representative for additional information.

Specifications subject to change without notice.