Fiber Optic Accessories

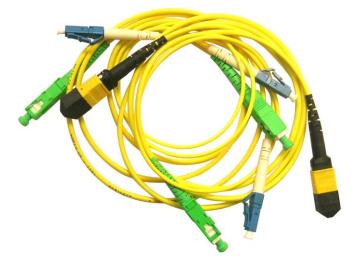**ARRIS**

JCxxxx
Fiber Optic Patch Cords

FEATURES

- Designed specifically for ultra high end performance applications
- Low insertion loss and high return loss
- All performance data guaranteed over entire operating temperature range (–40°C to +85°C)
- Wide selection of standard connector types (including SC/APC, LC/UPC, LC/APC, and MPO/APC) and lengths (up to 30 meters)
- 2 mm, 3 mm, and MPO ribbon jackets to suit application requirements
- Individually packaged with detailed performance data

PRODUCT OVERVIEW

ARRIS fiber optic patch cords are specifically designed for ultra high end CATV applications. The wide standard selection of connector types, jacket styles, and lengths provide optical connectivity for both indoor and outdoor (VHub and node) installations.

These fiber optic patch cords feature low insertion loss and high return loss, guaranteed over a wide operating temperature range. Each fiber patch cord is individually packaged with detailed recorded performance data.

SPECIFICATIONS

Characteristics	Specification
Environmental	
Operating Temperature Range	-40°C to +70°C (-40°F to +158°F)
Storage Temperature Range	-40°C to +70°C (-40°F to +158°F)
Pressure hold-up (assembled to node)	12 psi
Entry Connector	
Material	aluminum
Length	5.5 in (approx, body and nut)
Thread	5/8-24 UNEF, Class 2A
Pull-out force, min	150 lbs (cable-to-connector)
Cable	
Fiber	SMF-28e and/or SMF-28e+
Industry standards	ICEA-640, Telcordia GR-20, listed with RDUP
SC/APC Optical Connectors	
Insertion loss, typ	0.5 dB
Return loss, min	65 dB
MPO/APC Optical Connectors	
Insertion loss, typ	0.35 dB
Return loss, min	55 dB
LC/UPC Optical Connectors	
Insertion loss, typ	0.15 dB
Return loss, min	55 dB

RELATED PRODUCTS

NC4000 Optical Node	NH2000 VHub
NC2000 Optical Node	Optical Passives
NH4000 VHub	Installation Services

ORDERING INFORMATION

SC/APC to SC/APC, 2 mm Jacket		SC/APC to SC/APC, 3 mm Jacket	
Insertion loss, max: 0.3 dB		Insertion loss, max: 0.3 dB	
Return loss, min: 65 dB		Return loss, min: 65 dB	
Model Number	Length (m)	Model Number	Length (m)
JC1112-0000-2	0.25	JC1111	0.25
JC1112-000-5	0.50	JC1112	0.50
JC1112-001-0	1.0	JC1113	1.0
JC1112-003-0	3.0	JC1114	3.0
JC1112-010-0	10.0	JC1115	10.0
JC1112-015-0	15.0	JC1116	15.0
JC1112-030-0	30.0	JC1117	30.0

SC/APC to SC/UPC, 3 mm Jacket		SC/APC to LC/APC, 3 mm Jacket	
Insertion loss, max: 0.35 dB		Insertion loss, max: 0.35 dB	
Return loss, min: 55 dB		Return loss, min: 65 dB	
Model Number	Length (m)	Model Number	Length (m)
JC1131	0.25	JC1151	0.25
JC1132	0.50	JC1152	0.50
JC1133	1.0	JC1153	1.0
JC1134	3.0	JC1154	3.0
JC1135	10.0	JC1155	10.0
JC1136	15.0	JC1156	30.0
JC1137	30.0		

SC/APC to LC/UPC, 2 mm Jacket		LC/UPC to SC/UPC, 2 mm Jacket	
Insertion loss, max: 0.35 dB		Insertion loss, max: 0.4 dB	
Return loss, min: 55 dB		Return loss, min: 55 dB	
Model Number	Length (m)	Model Number	Length (m)
JC1121	0.25	JC2232	0.5
JC1122	0.50	JC2233	1.0
JC1123	1.0	JC2234	3.0
JC1124	3.0	JC2235	10.0
JC1125	10.0	JC2236	30.0
JC1126	15.0		

LC/APC to LC/APC, 3 mm Jacket		LC/UPC to LC/APC, 3 mm Jacket	
Insertion loss, max: 0.4 dB		Insertion loss, max: 0.4 dB	
Return loss, min: 65 dB		Return loss, min: 55 dB	
Model Number	Length (m)	Model Number	Length (m)
JC1551	0.25	JC1251	0.25
JC1552	0.50	JC1252	0.50
JC1553	1.0	JC1253	1.0
JC1554	3.0	JC1254	3.0
JC1555	10.0	JC1255	10.0
JC1556	30.0	JC1256	30.0

ORDERING INFORMATION

LC/UPC to LC/UPC, 2 mm Jacket

Insertion loss, max: 0.4 dB

Return loss, min: 55 dB

Model Number	Length (m)
JC1221	0.25
JC1222	0.50
JC1223	1.0
JC1224	3.0
JC1225	10.0
JC1226	15.0

MPO (male) to MPO (male), Ribbon Jacket

Insertion loss, max: 0.8 dB

Return loss, min: 60 dB

Model Number	Length (m)
JC1442	0.5
JC1443	1.0

MPO (male) to MPO (male) Reflector Type Patch Cord (with ribbon jacket for Use with interlock-protected VHub modules)

Insertion loss, max: 0.8 dB

Return loss, min: 60 dB

Model Number	Length (m)
JC1443-R	1.0

Customer Care

Contact Customer Care for product information and sales:
- United States: 866-36-ARRIS
- International: +1-678-473-5656

Note: Specifications are subject to change without notice.

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