



Antennas

DATA SHEET

3/8 Inch Corrugated RF Jumpers

JP5-88C19-tgtg-l



- Corrugated 0.195" low PIM jumpers
- 100% tested for PIM, return loss and insertion loss
- Low PIM performance less than -160 dBc
- UV and sunlight resistant black polyethylene jacket (Black)
- Available with 4.3-10, N-Type and TNC male connectors

Overview

CCI's Corrugated Regular Jumpers are made using 0.195 inch corrugated cable with foam dielectric. These jumpers come in various lengths to enable the deployment of CCI antennas, filter and amplifier products. Each jumper assembly is constructed with premium 4.3-10, N-type male or TNC connectors installed on both ends. Custom assemblies and right-angle connectors are available upon request.

These cables are perfect for GPS antenna installation as well as DAS and BTS installations, when space is at a premium. Each cable is 100% tested and tagged with test results. The tests include V.S.W.R (return loss), insertion loss, and PIMD @2x43dBm.

The cable assemblies fitted with the 4.3-10, N-type male or TNC connectors are rated IP67 for ingress protection.

CCI cable assemblies are produced to ISO 9001 certification standards for reliability and quality at our state-of-the-art engineering and manufacturing facilities.



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SPECIFICATIONS

3/8 Inch Corrugated RF Jumpers

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Electrical Specifications

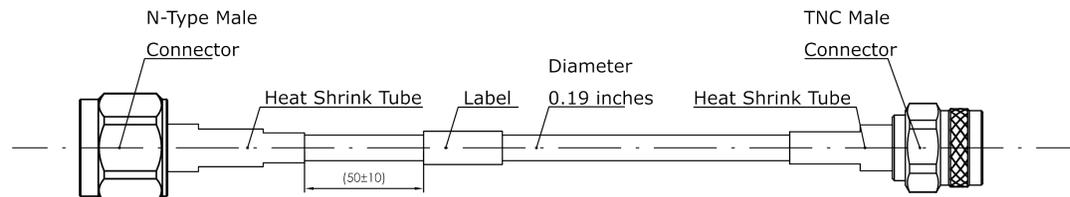
RF Parameter			
Frequency Range (MHz)	380 - 2700	3400 - 4200	5100 - 6000
VSWR	≤ 1.20	≤ 1.23	≤ 1.28
Return Loss (dB)	≤ 21	≤ 19	≤ 16.5
Insertion Loss (dB/meter + connector loss)	≤0.7563 dB/m +0.2 dB	≤0.9059 dB/m + 0.2 dB	≤1.079 dB/m +0.24 dB
Intermodulation Performance	<-160 dBc at 2 x +43 dBm tones		
Impedance	50 ohm		
DC Test Voltage	1000 V		
Insulation Resistance (Mohms)	≥ 1000		
Power rating	60W@5.8GHz		

Construction	
Jacket Material	UV and sunlight resistant black polyethylene
Outer Conductor Material	Copper-tin-zinc 3um clad on Brass
Dielectric Material	Foam Polyethylene
Flexibility	Corrugated
Inner Conductor Material	Spring Copper Au 0.1m
Jacket Color	Black

Mechanical Specifications

Nominal Diameter	0.195 in (4.95 mm)
Length	30 m, 50 m, 80 m or 100 m
Minimum Bend Radius, repeated bend	50.8 mm
Minimum Bend Radius, single bend	12.7 mm
Tensile Strength	100 N

Model Number: JP5-88C19-3M6M-l



0.195 inch Jumper Outline Drawing shown with N-Type Male to TNC Male connectors



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Environmental Specifications

Environmental Testing	PR012 Compliant
Installation Temperature	-40° C to +60 °C (-40 °F to +140 °F)
Operating Temperature	-40° C to +85 °C (-40 °F to +185 °F)
Storage Temperature	-40° C to +85 °C (-40 °F to +185 °F)
Weatherproofing standard	IEC 68 40 /85/ 21, IP67



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ORDERING

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Parts & Accessories

JP5-88C19-3M3M-300	N-Type Male to N-Type Male 0.195" Jumper - 30 Meters
JP5-88C19-3M6M-300	N-Type Male to TNC Male 0.195" Jumper - 30 Meters
JP5-88C19-3M2M-300	N-Type Male to 4.3/10 Male 0.195" Jumper - 30 Meters
JP5-88C19-3M3M-500	N-Type Male to N-Type Male 0.195" Jumper - 50 Meters
JP5-88C19-3M6M-500	N-Type Male to TNC Male 0.195" Jumper - 50 Meters
JP5-88C19-3M2M-500	N-Type Male to 4.3/10 Male 0.195" Jumper - 50 Meters
JP5-88C19-3M3M-800	N-Type Male to N-Type Male 0.195" Jumper - 80 Meters
JP5-88C19-3M6M-800	N-Type Male to TNC Male 0.195" Jumper - 80 Meters
JP5-88C19-3M2M-800	N-Type Male to 4.3/10 Male 0.195" Jumper - 80 Meters
JP5-88C19-3M3M-1000	N-Type Male to N-Type Male 0.195" Jumper - 100 Meters
JP5-88C19-3M6M-1000	N-Type Male to TNC Male 0.195" Jumper - 100 Meters
JP5-88C19-3M2M-1000	N-Type Male to 4.3/10 Male 0.195" Jumper - 100 Meters



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STANDARDS & CERTIFICATIONS

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Standards & Compliance

Environmental IEC 60068-2-6-Fc, IEC 60068-2-14-Na,
IEC 60068-2-27, EN 60529 IP67

Certifications

Federal Communication Commission (FCC) Part 15 Class B, CE, CSA US, ISO 9001



CCI Communication Components Inc.
EXTENDING WIRELESS PERFORMANCE