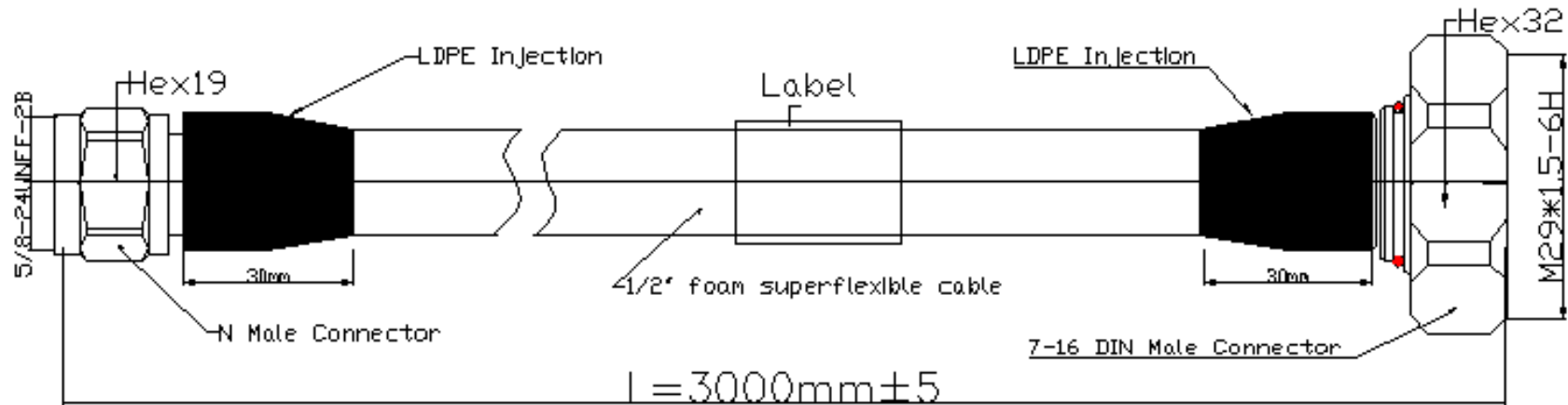


# 3000mm 1/2" Foam Superflexible Cable Jumper(Assembly)

With N Male to 7/16 DIN Male Connectors (N-J1/2SH/DIN-J1/2SH-3000)



Connector Interface:

IEC60169-4/IEC60169-16

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PCB CONNECTORS  
Cable ASSEMBLIES

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RoHS Compliant

DRAWING BY CY

CHECKED BY GENIUS

UNIT / mm

SCALE 1 : 1

DATE

SIZE A4

PPOJECTION

TOLERANCES ARE

X. ±

.X ±

.XX ±

.XXX ±

ANG ±

照片框

ORDER INFORMATION

0716N-1S1S0102-M3M-LF

SERIES

LEADFREE

3000mm

MALE TO MALE

1/2" FOAM SUPER FLEXIBLE CABLE

ST/ST

DESCRIPTION: Cable Family 50ohm 1/2" Foam Superflexible Cable

<b>Electrical</b>	
Characteristic Impedance	50 ohm
Frequency Range	DC-3.7GHz
VSWR	≤1.10@DC-2.7Hz; ≤1.13@2.7-3.7Hz;
Insertion Loss	0.164*L+0.2(2.2GHz)dB
Intermodulation 3rd	≤ -155dBc@2×43dBm
Dielectric Withstanding Voltage	≥2500V RMS,50Hz,at sea level
Working Voltage	≤1000V RMS,50Hz,at sea level
Dielectric Resistance	≥5000MΩ
Screen Efficiency	≥110dB
Power Rating	≥450W@2GHz

<b>Mechanical</b>	
Torque of Nut	15Nm
Torsion Torque	5Nm
Pull-off Force	400N
Durability	Mating cycles ≥500
<b>Material and Plating</b>	

	<b>Material</b>	<b>Plating</b>
<b>Body</b>	<b>Brass</b>	<b>Tri-alloy</b>
<b>Insulator</b>	<b>PTFE</b>	-
<b>Center conductor</b>	<b>Phosphor bronze</b>	<b>Ag</b>
<b>Coupling nut</b>	<b>Brass</b>	<b>Ni</b>
<b>Gasket</b>	<b>Silicone rubber</b>	-
<b>Protection tube(black)</b>	<b>LDPE</b>	-

<b>Environmental</b>	
Temperature Range	-40°C ~ +85°C
Corrosion (Salt fog test)	≥72 Hours
Thermal Shock Test	Per IEC60068-2-14-Na
Vibration Test	Per IEC60068-2-6-Fc
Shock Test	Per IEC60068-2-27
Waterproof Rate	IP 68
RoHS (2002/95/EC)	Compliant Yes

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1/2" FOAM SUPER FLEXIBLE CABLE

ST/ST

DESCRIPTION: Cable Family 50ohm 1/2" Foam Superflexible Cable

1/2" Super Flexible RF Coaxial Cable



jacket outer conductor insulation inner conductor

Remarks:

Type		Type No.
Standard cable		HCAHY-50-9
Fire-retardant cable		HCAHYZ-50-9
Construction		
Inner conductor	Material	CCA
	Diameter (mm)	3.55±0.05
Insulation	Material	Foamed PE
	Diameter (mm)	9.0±0.2
Outer conductor	Material	Helical corrugated copper tube
	Diameter (mm)	12.1±0.15
Jacket	Material	LLDPE or fire-retardant PE
	Min.thickness (mm)	>0.5
	Diameter (mm)	13.5±0.2
Mechanical Characteristics		
Bending radius (mm)	Single bend	25
	Repeated bend	55
Tensile strength (N)		750
Cable weight (kg/km)		170
Recommended temperature (°C)	Storage	-70~+85
	Installation	-40~+80
	Operating	-55~+85

For fire-retardant jacket cable,

recommended temperature:

Storage: -30°C~+80°C

Installation: -25°C~+80°C

Operating temperature: -30°C~+80°C

•Products meet the RoHS requirement

Electrical Characteristics		
Inner conductor DC resistance (Ω/km)		2.97
Outer conductor DC resistance (Ω/km)		3.54
Characteristic impedance (Ω)		50±1
Capacitance (p F/m)		80
Velocity (%)		82
Dielectric strength (KV)		3.0
Insulation resistance (MΩ/km)		>1×10 <sup>4</sup>
Peak power rating (KV)		15.6
Peak voltage (V)		1400
Cut-off frequency (GHz)		17.0
Attenuation and Average power ( Maximum attenuation value shall be 105% of the nominal attenuation value)		
Frequency (MHz)	Attenuation (@20°C, dB/100m)	Average power (kw)
200	4.84	2.17
450	7.59	1.38
800	10.42	1.01
900	11.21	0.95
1000	11.82	0.89
1500	14.59	0.68
1800	16.01	0.63
2000	17.22	0.60
2200	18.21	0.58
2500	19.62	0.53
3000	22.31	0.46
VSWR		
800MHz~1000MHz		1.13
1700MHz~2700MHz		1.13

RoHS Compliant

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