



PRODUCT DATA SHEET

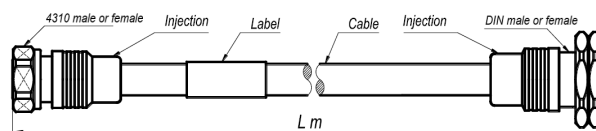
Low Smoke Halogen-free Fire-retardant Jumper Cable: 4310X-1/2SF-L-DX

Where L is length (meter): 1, 1.5, 2, 2.5, 3, 4, 5

X is Connector type: M or F

Description

1/2 Superflex jumper cable, Lm, 4310X to DX



Cable Type

Description	Material	Diameter (mm)
Inner Conductor	Copper-Clad Aluminum Wire	3.60
Dielectric	Physical Foam Polyethylene	8.70
Outer Conductor	Corrugated Copper Tube	12.0
Jacket	Low Smoke Halogen-free Fire-Retardant	13.5

Connectors – 4.3-10 type Male or Female & DIN type Male or Female

Description	Material	Surface Plating
Inner Conductor Pin	BRASS	Silver Plating
Body&Outer Conductor	BRASS	Trimetal Plating
Insulator	PTFE	
Gasket	Silicon Rubber	
Nut	BRASS	Nickel Plating

Electrical Characteristics

Length (L)	1m		2m		3m		5m	
	Loss	VSWR	Loss	VSWR	Loss	VSWR	Loss	VSWR
@DC-400MHz (loss: 0.076*L+0.07)	≤0.15dB	≤ 1.08	≤0.23dB	≤ 1.08	≤0.30dB	≤ 1.08	≤0.45dB	≤ 1.08
@401-960MHz (loss: 0.117*L+0.10)	≤0.22dB	≤ 1.08	≤0.34dB	≤ 1.08	≤0.46dB	≤ 1.08	≤0.69dB	≤ 1.08
@961-1880MHz (loss: 0.172*L+0.14)	≤0.32dB	≤ 1.08	≤0.49dB	≤ 1.08	≤0.66dB	≤ 1.08	≤1.00dB	≤ 1.08
@1881-2170MHz (loss: 0.182*L+0.15)	≤0.34dB	≤ 1.08	≤0.52dB	≤ 1.08	≤0.70dB	≤ 1.08	≤1.06dB	≤ 1.08
@2171-2690MHz (loss: 0.210*L+0.17)	≤0.38dB	≤ 1.08	≤0.59dB	≤ 1.08	≤0.80dB	≤ 1.08	≤1.22dB	≤ 1.08
@2690-4000MHz (loss: 0.260*L+0.20)	≤0.46dB	≤ 1.15	≤0.72dB	≤ 1.15	≤0.98dB	≤ 1.15	≤1.50dB	≤ 1.15
Impedance	50Ω							
Frequency Range	DC~7.5GHz							
Dielectric Withstanding Voltage	2500V rms (DC)							
Operating Voltage	1500V rms							
Insulation Resistance	≥5000MΩ							
IM3	≤-160dBc@2x43dBm							

Mechanical and Environmental Characteristics

Cable Tensile resistance	≥ 500N
Torque Proof (Nut)	4.3-10M: 5N.m, DINM: 30N.m
Storage Temperature	- 45°C to +65 °C
Operating Temperature	- 45°C to +85 °C
Water Proof Level	IP68 @ 24hr, 1m, 20°C
RoHS	Compliant
Standard	IEC 60332-1, IEC 60754-1, IEC 61034, UL1581 Compliant

Technical data are subjected to change without notice – File: 4310X-1/2SF-L-DX datasheet 2018V1.0