



Technical Data Sheet

FF195LSFROH LOW LOSS 50 OHM COAXIAL CABLE

Technical Data

PRODUCT NUMBER		6069LSFROH
LSFROH		LOW SMOKE, FIRE RETARDANT, ZERO HALOGEN
CONDUCTOR	CONSTITUTION	19 AWG (1 / 0.94 mm)
	MATERIAL	BARE COPPER WIRE
INSULATION	MATERIAL	GAS INJECTED FOAMED POLYETHYLENE
	THICKNESS	0.93 mm Nom
	O.D.	2.80 ± 0.10 mm
	COLOR	NATURAL
SHIELD	FOIL	SEALLESS AL-MYLAR TAPE IS LONGITUDINALLY WRAPPED OVERALL THE SHIELD CABLE
	BRAID	16 / 7 / 0.12 mm, TINNED COPPER WIRES, WITH 95% COVERAGE Min.
	MATERIAL	LSFHPE (80°C, RoHS)/UV-Resistent
JACKET	THICKNESS	0.75 mm Nom.
	O.D.	4.90 ± 0.20 mm
	COLOR	BLACK
WEIGHT		36 Kg/1 Km
MARDING		... M ... FEEDFLEX® FF195LSFROH LOW LOSS 50 COAXIAL CABLE ... M ...

PERFORMANCE PROPERTIES

IMPEDANCE		50 ± 2 Ω									
CAPACITANCE		79.7 pF/M Nom.									
VELOCITY OF PROPAGATION		82% Nom.									
MAX. OPERATING TEMPERATURE. (°C)		-40 / 80°C									
MIN. BEND RADIUS		12.7 mm									
ATTENUATION	MHz	30	50	150	220	450	900	1500	1800	2000	2500
(dB/100m)	dB	6.5	8.4	14.6	17.7	25.5	36.5	47.7	52.5	55.4	62.4
AVERAGE POWER	kW (at 20°C)	0.89	0.68	0.39	0.32	0.22	0.15	0.12	0.11	0.10	0.09
INNER CONDUCTOR RESISTANCE		24.94 Ω/Km Nom									
INSULATION RESISTANCE		100 M Ω-Km Min									
DIELECTRIC STRENGTH		1.0 KV / 1 min. Min.									

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	ITEM	SPECIFICATION	TEST METHOD	
PROPERTIES of JACKET	SMOKE DENSITY	Dm4 Max. 150	ASTM E662	IEC 61034
	TOXICITY INDEX	Max. 5	NES 713	
	HALOGEN ACID GAS EVOLU-TION	0.5% Max.	IEC 60754-1	IEC 60754-2

FLAME RETARDENT ACC. TO IEC 60332-1-2

	CHEMICAL SUBSTANCES	LIMIT OF PMM (mg/kg)	METHOD
PROPERTIES FOR RoHS	LEAD (Pb)	<1000	IEC 62321
	CADMIUM (Cd)	<100	
	MERCURY (Hg)	<1000	
	HEXAVALENT CHROMIUM (Cr ⁺⁶)	<1000	
	POLYBROMINATED BIPHENYL (PBBs)	<1000	
	POLYBROMINATED BIPHENYL (PBDEs)	<1000	

