

Technical Data Sheet

FF 600LSFROH - LOW LOSS 50 OHM COAXIAL CABLE

Technical Data

PRODUCT NUMBER	03.01.010	
LSFROH	LOW SMOKE, FIRE RETARDANT, ZERO HALOGEN	
CONDUCTOR	CONSTITUTION	6 AWG (1 / 4.47 mm)
	MATERIAL	BARE COPPER CLAD ALUMINIUM WIRE
	MATERIAL	GAS INJECTED FOAMED POLYETHYLENE
INSULATION	THICKNESS	3.55 mm Nom.
	O.D.	11.56 ± 0.10 mm
	COLOR	NATURAL
SHIELD	FOIL	SEALLESS AL-MYLAR TAPE IS LONGITUDINALLY WRAPPED OVERALL THE CABLE
	BRAID	24 / 8 / 0.18 mm, TINNED COPPER WIRES, WITH 85% COVERAGE Min.
	MATERIAL	LSFHPE (80°C. RoHS)
JACKET	THICKNESS	1.25 mm Nom.
	O.D.	15.00 ± 0.30 mm
	COLOR	BLACK
WEIGHT		224.40Kg / 1 Km
MARDING		... M ... FEEDFLEX® FF600 LSFROH LOW LOSS 50 OHM COAXIAL CABLE ... M ...

PERFORMANCE PROPERTIES

IMPEDANCE		50 ± 2 Ω													
CAPACITANCE		76.5 pF/M Nom.													
VELOCITY OF PROPAGATION		87% Nom.													
MAX. OPERATING TEMPERATURE. (°C)		-40 / 80°C													
MIN. BEND RADIUS		38.1mm													
ATTENUATION	MHz	30	50	150	220	450	900	1500	2000	2500	3000	3500	4500	5800	6000
(dB/100m)	dB	1,50	2,00	3,21	3,87	5,64	8,33	11,2	13,2	15,0	16,6	18,2	21,1	24,8	25,4
AVERAGE POWER	kW (at 20°C)	5.5	4.2	2.4	2.0	1.35	0.93	0.70	0.59	0.52	0.45	0.38	0.34	0.32	0.30
INNER CONDUCTOR RESISTANCE		1.74 Ω/Km Nom													
INSULATION RESISTANCE		100M Ω-Km Min													
DIELECTRIC STRENGTH		4.0KV / 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 EVOLUTION	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	
	CADMIUM (Cd)	<100	
	MERCURY (Hg)	<1000	
	HEXAVALENT CHROMIUM (Cr ⁺⁶)	<1000	IEC 62321
	POLYBROMINATED BIPHENYL (PBBs)	<1000	
	POLYBROMINATED BIPHENYL (PBDEs)	<1000	

