

Technical Data Sheet

FF 400LSFROH LOW LOSS 50 OHM COAXIAL CABLE

Technical Data

PRODUCT NUMBER		6067LSFROH
LSFROH		LOW SMOKE. FIRE RETARDANT. ZERO HALOGEN
CONDUCTOR	CONSTITUTION	10 AWG (1 / 2.74 mm)
	MATERIAL	BARE COPPER CLAD ALUMINIUM WIRE
INSULATION	MATERIAL	GAS INJECTED FOAMED POLYETHYLENE
	THICKNESS	2.24 mm Nom.
	O.D.	7.24 ± 0.10 mm
SHIELD	COLOR	NATURAL
	FOIL	SEALLESS AL-MYLAR TAPE IS LONGITUDINALLY WRAPPED OVERALL THE CABLE
	BRAND	24 / 7 / 0.16 mm. TINNED COPPER WIRES. WITH 90% COVERAGE Min.
JACKET	MATERIAL	LSFHPE (80°C. RoHS)
	THICKNESS	1.08 mm Nom.
	O.D.	10.29 ± 0.30 mm
WEIGHT	COLOR	BLACK
		119.40 Kg / 1Km
MARKING		• ... M ..FEEDFLEX® FF400 LSFROH LOW LOSS 50 OHM COAXIAL CABLE .. M ... •

PERFORMANCE PROPERTIES

IMPEDANCE		50 ± 2 Ω											
CAPACITANCE		77 pf/m Nom.											
VELOCITY OF PROPAGATION		86% Nom.											
MAX. OPERATING TEMPERATURE. (°C)		-40 / 80°C											
MIN. BEND RADIUS		35.4mm											
ATTENUATION (dB/100m)	MHz	30	50	150	220	450	900	1500	1800	2000	2500	5800	
	dB	2.2	2.9	5.0	6.1	8.9	12.8	16.8	18.6	19.6	22.2	35.5	
	kW (at 20° C)	3.33	2.58	1.47	1.2	0.83	0.58	0.44	0.4	0.37	0.33	0.21	
INNER CONDUCTOR RESISTANCE		4.5 Ω / Km Nom											
INSULATION RESISTANCE		100M Ω-Km Min											
DIELECTRIC STRENGTH		2.5 KV/1min. Min.											

PACKING SIZE IS 500M ON WODDEN DRUM.

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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	IEC 62321
	CADMIUM (Cd)	<100	
	MERCURY (Hg)	<1000	
	HEXAVALENT CHROMIUM (Cr ⁺⁶)	<1000	
	POLYBROMINATED BIPHENYL (PBBs)	<1000	
	POLYBROMINATED BIPHENYL (PBDEs)	<1000	

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