



**Technical Data Sheet**

**FF 400LSFROH - LOW LOSS 50 OHM ARMoured COAXIAL CABLE**

**Technical Data**

<b>PRODUCT NUMBER</b>	<b>03.01.009</b>	
LSFROH	LOW SMOKE. FIRE RETARDANT. ZERO HALOGEN	
CONDUCTOR	CONSTITUTION	10 AWG ( 1 / 2.74mm)
	MATERIAL	BARE COPPER CLAD ALUMINIUM WIRE
INSULATION	MATERIAL	GAS INJECTED FOAMED POLYETHYLENE
	THICKNESS	2.25 mm Nom.
	O.D.	7.24 ± 0. 10 mm
SHIELD	COLOR	NATURAL
	FOIL	ADHESIVE AL-MYLAR TAPE IS LONGITUDINALLE WRAPPED OVERALL
	BRAND	THE CABLE AND ALUMINIUM FOIL FACING OUTWARD.
JACKET	MATERIAL	24 / 8 / 0.16 mm. ALUMINIUM ALLOY WIRES. WITH 92% COVERAGE Min.
	THICKNESS	LSFHPE (80°C. RoHS)
	O.D.	1.08 mm Nom.
ARMOR	COLOR	10.29 ± 0.30 mm
	BRAID	BLACK
	MATERIAL	24 / 8 / 0.16 mm, TINNED COPPER WIRES, WITH 80% COVERAGE Min.
OUTER JACKET	THICKNESS	LSFHPE ( 80°C, RoHS )
	O.D.	1.25 mm Nom
	COLOR	13.50 ± 0.30 mm
WEIGHT		BLACK
MARKING		227.20 Kg / 1 Km

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

