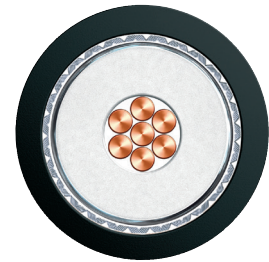


Signum[®] 400501 FX

50 ohm Low Loss Extra Flexible Coaxial Drop Cable



Cable Design

Inner Conductor	Stranded plain copper wire	7x0,95 mm
Dielectric	Gas Injected Skin-Foam-Skin Polyethylene	Ø 7,25 ± 0,10 mm
Shield	Aluminium + Polyester + Aluminium Tape	Ø 7,35 ± 0,10 mm
Braid	Tinned copper wire braid. 90% coverage	Ø 7,95 ± 0,10 mm
Outer Jacket	TPM	Ø 10,30 ± 0,10 mm

Mechanical Characteristics

Bending Radius	single	5	x Ø
Bending Radius	repeated	10	x Ø
Weight		144,5	kg/km
Temperature Range		-30 to +70	°C

Electrical Data

Impedance @ 200 MHz	50 ± 3	Ohm
Capacitance	80	pF/m
Velocity Ratio	84	%
Inner Conductor Resistance	4,0	Ohm/km
Braid Resistance	5,0	Ohm/km
Sheath Spark Testing	6,0	kV



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Attenuation / Max. Power Rating

Frequency (MHz)	Attenuation (dB/100m)	Max. Power Rating (W)	Frequency (MHz)	Attenuation (dB/100m)	Max. Power Rating (W)	Frequency (MHz)	Attenuation (dB/100m)	Max. Power Rating (W)
5	1,1	7778	450	9,0	820	1800	19,3	410
10	1,4	5500	600	10,7	710	2000	20,5	389
30	2,2	3175	800	12,4	615	2500	23,3	348
50	3,0	2460	900	13,2	580	3000	25,8	318
150	5,0	1420	1000	14,1	550	5200	35,5	241
220	6,1	1173	1500	17,4	449	5800	37,7	228

Structural Return Loss

Frequency (MHz)	dB	Frequency (MHz)	dB
30 - 450	> 25	2000 - 3000	> 20
450 - 1000	> 24	3000 - 4000	> 19
1000 - 2000	> 21	4000 - 5800	> 18

Screening Effectiveness

Frequency (MHz)	dB
100 - 900	> 95
900 - 2000	> 85
2000 - 3000	> 75

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