

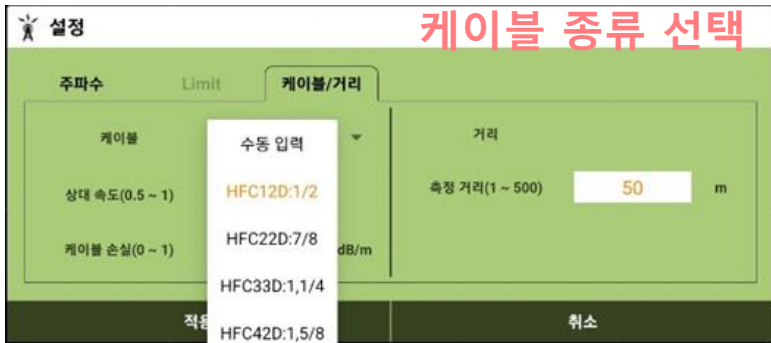
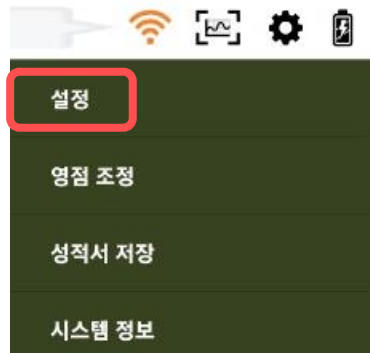
VSWR Multi-Meter

XCAT - Xcan

DTF 급전선 모델 선택 가이드

1. Xcan DTF 측정 급전선 모델 선택

1.1 설정 메뉴



[LS전선 모델명]

▼ Xcan 급전선 목록

- 수동 입력
- HFC12D:1/2
- HFC22D:7/8
- HFC33D:1,1/4
- HFC42D:1,5/8
- HFSC12D:1/2
- HFASC10D:2/5 (SWT 2/5)
- HFASC12D:1/2 (SWT 1/2)
- HFB8D



1.2 LS전선 급전선 규격

전기적특성 Electrical Characteristics

	HFC 12D (1/2")	HFC 22D (7/8")	HFC 33D (1-1/4")	HFC 42D (1-5/8")	HFASC 10D (2/5")	HFASC 12D (1/2")
DC 저항 DC Resistance						
내부도체 Inner Conductor	1.6 (0.5)	1.7 (0.52)	1.1 (0.34)	1.6 (0.49)	3.0 (1.0)	1.8 (0.6)
외부도체 Outer Conductor	2.75 (0.84)	1.55 (0.47)	0.9 (0.27)	1.1 (0.34)	3.4 (1.1)	2.8 (0.9)
절연저항 (MΩ · km) Insulation Resistance	10,000	10,000	10,000	10,000	10,000	10,000
절연내 전압 (for 1 Min.) Dielectric Strength	DC 4,000V	DC 6,000V	DC 9,000V	DC 11,000V	DC 2,500V	DC 2,500V
전파속도 (%) Velocity of Propagation	88	88	88	88	85	88
최대허용전력 (kW) Peak Power Rating	40	91	205	315	15.6	41.8
최대사용주파수 (GHz) Max. Operating Frequency	8.8	5.0	3.3	2.5	12	8.8
공칭임피던스 (Ω) Characteristic Impedance	50	50	50	50	50	50
반사손실 (dB) Return Loss (사용 주파수에서 typical value)	28	28	28	28	28	28

감쇄량과 평균전력용량 Attenuation & Average Power Rating

주파수 (MHz) Frequency	HFC 12D (1/2")	HFC 22D (7/8")	HFC 33D (1-1/4")	HFC 42D (1-5/8")
30	1.17 (0.36)	0.64 (0.20)	0.44 (0.13)	0.36 (0.11)
100	2.17 (0.66)	1.19 (0.36)	0.83 (0.25)	0.67 (0.20)
150	2.67 (0.81)	1.47 (0.45)	1.03 (0.31)	0.84 (0.26)
450	4.75 (1.45)	2.65 (0.81)	1.86 (0.57)	1.53 (0.47)
824	6.49 (1.98)	3.68 (1.12)	2.62 (0.80)	2.17 (0.66)
890	6.76 (2.06)	3.85 (1.17)	2.75 (0.84)	2.27 (0.69)
960	7.04 (2.15)	4.01 (1.22)	2.86 (0.87)	2.38 (0.73)
1,000	7.20 (2.19)	4.10 (1.25)	2.94 (0.90)	2.43 (0.74)
1,700	9.61 (2.93)	5.54 (1.69)	4.01 (1.22)	3.35 (1.02)
1,800	9.91 (3.02)	5.73 (1.75)	4.15 (1.26)	3.47 (1.06)
2,000	10.70 (3.26)	6.09 (1.86)	4.43 (1.35)	3.71 (1.13)
2,300	11.54 (3.52)	6.63 (2.02)	4.60 (1.40)	4.07 (1.24)
3,000	13.44 (4.10)	7.81 (2.38)	5.43 (1.66)	-
3,400	14.44 (4.40)	8.52 (2.60)	-	-
4,000	15.81 (4.82)	9.42 (2.87)	-	-
5,000	17.77 (5.42)	10.84 (3.30)	-	-

주파수 (MHz) Frequency	HFASC 10D (2/5")	HFASC 12D (1/2")
100	3.13 (0.95)	2.23 (0.68)
450	6.99 (2.13)	4.72 (1.44)
824	9.48 (2.89)	6.46 (1.97)
890	9.97 (3.04)	6.76 (2.06)
1,800	14.43 (4.4)	9.92 (3.02)
2,000	15.4 (4.69)	10.53 (3.21)
2,400	16.9 (5.15)	11.65 (3.55)
평균 전력용량 (kW) Average Power Rating		
100	2.89	3.57
450	1.30	1.56
824	0.93	1.13
890	0.89	1.10
1,800	0.60	0.73
2,000	0.55	0.69
2,400	0.50	0.63

Thank you!

고객지원센터

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