

COAXPARK

3D-FV(CCA)

Low Loss 50 Ohm Coaxial Cable



► Cable Construction

Rev2. 2020-09-03

« Center Conductor » • Copper Clad Aluminum • Nominal Diameter : 1.14mm±0.05mm	« Dielectric » • Foamed PE • Diameter Over Dielectric : 3.25±0.1mm
« Shield » • Foil : Aluminum / Poly Tape / non bonded • Braid : Aluminum	« Jacket » • PVC • Diameter Over Jacket : 5.3±0.2mm
« Mechanical Properties » • Minimum Bend Radius : 25mm(1") • Operating Temperature Rating -30°C to 60°C (PVC)	« Electrical Properties » • Impedance : 50±5 Ohms • Velocity of Propagation : 83%

► Attenuation

Frequency [MHz]	50	150	220	450	900	1500	1800	2000	2500	5800
Attenuation [dB/100m]	8	13	16	23	33	43	47	50	56	87

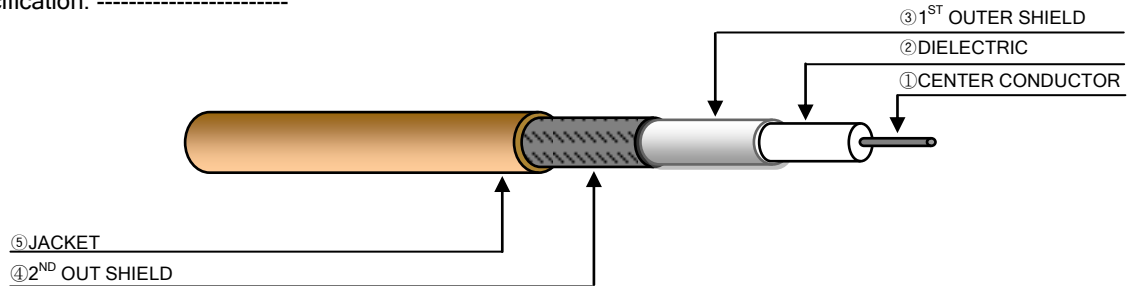
* Max attenuation value may be 105% of nominal attenuation.

NRT/ 3D-200

누 리 텔

Description: LMR CABLE 4.95mm / 50 Ohm

Specification: -----



CONSTRUCTION

번호	ITEM	MATERIAL	DIAMETER	REMARK
①	CENTER CONDUCTOR	CU	1.15	
②	DIELECTRIC	Foamed PE	3.35	
③	1 st OUTER SHIELD	A Tape	3.54	
④	2 nd OUTER SHIELD	TC	3.94	90%(nom.)
⑤	JACKET	PVC	5.30	BLACK

* Foamed PE: Foamed Polyethylene

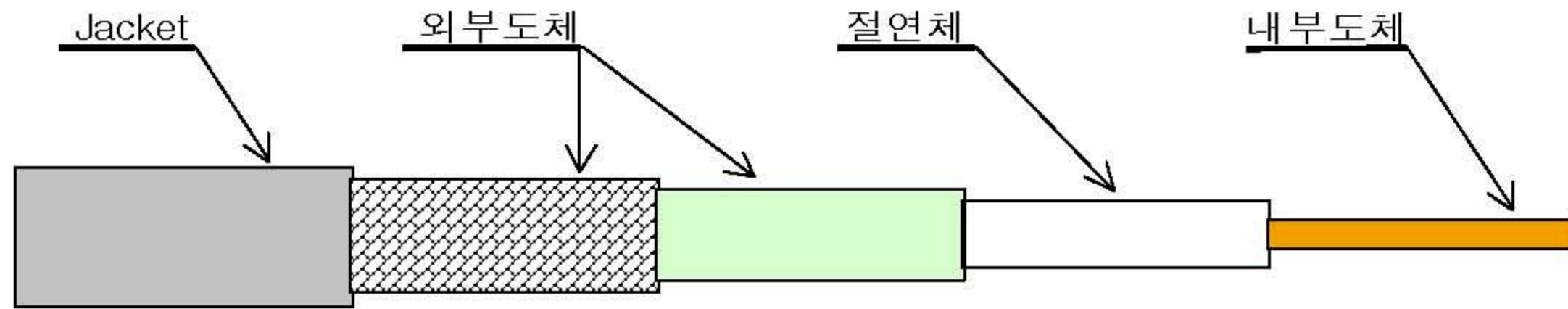
* TC: Tinned Copper Braid

ELECTRICAL DATA

ITEM	SPECIFICATION		
CHARACTERISTIC IMPEDANCE	50 ± 5 Ω		
OPERATING FREQUENCY	5.8 GHz		
OPERATING TEMP	-40℃ ~ +85℃		
WEIGHT	30 kg/Km		
SHIELDING EFFECTIVENESS	>90dB		
ROHS	COMPLIED		
VSWR	1:1.2 ↓		
MAXIMUM ATTENUATION	Frequency (MHz)	dB/100ft (dB/100M)	Power (Watts)
	150	4.00(13.12)	
	220	4.80(15.75)	
	450	7.00(22.97)	
	900	9.90(32.48)	
	1,500	12.90(42.32)	
	1,800	14.17(46.48)	
	2,000	15.00(49.21)	
	2,200	15.74(51.65)	

SPECIFICATION

품 명 : 3D-FV



기구적 특성

항 목		단 위	특 성
내부도체	재 질	-	CCA(Copper Clad AL Wire)
	외 경	mm	1.15
절 연 체	재 질	-	고발포 PE
	외 경	mm	3.3 ± 0.05
외부도체		-	Al 마일러 TAPE & AL 편조
JACKET	재 질	-	PVC
	색 상	-	WHITE
	두 께	mm	0.75
JACKET 두께		mm	5.3 ± 0.1
인 장 강 도		kgf/km	75

전기적 특성

항 목	단 위	특 성 치	
절연 저항 (최소)	kMΩ / km	10	
내 전 압	A.C.V / 1분간	1000	
정전 용량(표준)	nF / km	83	
특 성 임피던스	Ω (10MHz)	50 ± 5	
감 쇠 량	dB / M	30MHz	0.06
		50MHz	0.08
		150MHz	0.13
		450MHz	0.23
		900MHz	0.33
		1800MHz	0.47
		2000MHz	0.50