

## CABLE ASSEMBLIES SPECIFICATIONS

### Cable Assemblies



### Connectors



### Cable Assemblies: SMA to SMA

Cable Assembly Model No.	No. of Cables	Coax Type	Coax Length (m)	Coax Length (ft)	Connector (Side A)	Connector (Side B)	Make up	Stock Status
A-CAB-091	1	RG 58	0.5	1.6	SMA (F)	SMA (M)	Single Cable	Stock item
A-CAB-092	2	HDF 195	5	16.4	SMA (F)	SMA (M)	Twin Siamese Cable	Stock item
A-CAB-093	1	HDF 195	5	16.4	SMA (F)	SMA (M)	Single Cable	Stock item
A-CAB-094	1	HDF 195	10	32.8	SMA (F)	SMA (M)	Single Cable	Stock item
A-CAB-109	2	HDF 195	10	32.8	SMA (F)	SMA (M)	Twin Siamese Cable	Stock item
A-CAB-118	5	HDF 195	5	16.4	SMA (F)	3 x SMA (M) 2 x RPSMA (M)	Braided Sleeve	Stock item
A-CAB-118-7	7	HDF 195	5	16.4	SMA (F)	5 x SMA (M) 2 x RPSMA (M)	Braided Sleeve	Made to Order
A-CAB-119	5	HDF 195	3	9.8	SMA (F)	3 x SMA (M) 2 x RPSMA (M)	Braided Sleeve	Stock item
A-CAB-119-7	7	HDF 195	3	9.8	SMA (F)	5 x SMA (M) 2 x RPSMA (M)	Braided Sleeve	Made to Order
A-CAB-141	1	HDF 195	2	6.6	SMA (F)	SMA (M)	Single Cable	Stock item
A-CAB-142	2	HDF 195	2	6.6	SMA (F)	SMA (M)	Twin Siamese Cable	Stock item
A-CAB-143	2	White HDF 195	3	9.8	SMA (F)	SMA (M)	Twin Siamese Cable	Stock item
A-CAB-144	2	White HDF 195	5	16.4	SMA (F)	SMA (M)	Twin Siamese Cable	Stock item
A-CAB-151	2	White HDF 195	10	16.4	SMA (M)	SMA (M)	Twin Siamese Cable	Stock item

**Cable Assemblies: N-Type to SMA**

Cable Assembly Model No.	No. of Cables	Coax Type	Coax Length (m)	Coax Length (ft)	Connector (Side A)	Connector (Side B)	Make up	Stock Status
A-CAB-047	1	HDF 195	5	16.4	N-Type (M)	SMA (M)	Single Cable	Stock item
A-CAB-049	1	HDF 195	10	32.8	N-Type (M)	SMA (M)	Single Cable	Stock item
A-CAB-136	1	HDF 195	1	3.28	N-Type (M)	SMA (M)	Single Cable	Stock item
A-CAB-147	1	White HDF 195	3	9.8	N-Type (M)	SMA (M)	Single Cable	Stock item
A-CAB-148	1	White HDF 195	5	16.4	N-Type (M)	SMA (M)	Single Cable	Stock item
A-CAB-149	1	White HDF 195	8	26.2	N-Type (M)	SMA (M)	Single Cable	Stock item
A-CAB-150	1	White HDF 195	10	32.8	N-Type (M)	SMA (M)	Single Cable	Stock item

**Cable Assemblies: N-Type to N-Type**

Cable Assembly Model No.	No. of Cables	Coax Type	Coax Length (m)	Coax Length (ft)	Connector (Side A)	Connector (Side B)	Make up	Stock Status
A-CAB-125	1	HDF 195	5	16.4	N-Type (M)	N-Type (M)	Single Cable	Made to Order
A-CAB-126	1	HDF 195	10	32.8	N-Type (M)	N-Type (M)	Single Cable	Made to Order
A-CAB-137	1	HDF 195	2	6.6	N-Type (M)	N-Type (M)	Single Cable	Made to Order
A-CAB-138-01	1	HDF 195	2	6.6	N-Type (M)	N-Type (F)	Single Cable	Made to Order
A-CAB-138-02	1	HDF 195	5	16.4	N-Type (M)	N-Type (F)	Single Cable	Made to Order
A-CAB-138-03	1	HDF 195	10	32.8	N-Type (M)	N-Type (F)	Single Cable	Made to Order
A-CAB-139-01	1	HDF 400	5	16.4	N-Type (M)	N-Type (F)	Single Cable	Made to Order
A-CAB-139-02	1	HDF 400	10	32.8	N-Type (M)	N-Type (F)	Single Cable	Made to Order
A-CAB-139-03	1	HDF 400	15	49.2	N-Type (M)	N-Type (F)	Single Cable	Made to Order
A-CAB-139-04	1	HDF 400	20	65.6	N-Type (M)	N-Type (F)	Single Cable	Made to Order
A-CAB-139-05	1	HDF 400	25	82	N-Type (M)	N-Type (F)	Single Cable	Made to Order
A-CAB-140-01	1	HDF 400	5	16.4	N-Type (M)	N-Type (M)	Single Cable	Made to Order
A-CAB-140-02	1	HDF 400	10	32.8	N-Type (M)	N-Type (M)	Single Cable	Made to Order
A-CAB-140-03	1	HDF 400	15	49.2	N-Type (M)	N-Type (M)	Single Cable	Made to Order
A-CAB-140-04	1	HDF 400	20	65.6	N-Type (M)	N-Type (M)	Single Cable	Made to Order
A-CAB-140-05	1	HDF 400	25	82	N-Type (M)	N-Type (M)	Single Cable	Made to Order

**Cable Assemblies: SMA to FAKRA**

Cable Assembly Model No.	No. of Cables	Coax Type	Coax Length (m)	Coax Length (ft)	Connector (Side A)	Connector (Side B)	Make up	Stock Status
A-CAB-121	5	HDF 195	5	16.4	SMA (F)	1 x FAKRA C (F) 2 x FAKRA D (F) 2 x FAKRA Z (F)	Braided Sleeve	Made to Order
A-CAB-122	5	HDF 195	3	9.8	SMA (F)	1 x FAKRA C (F) 2 x FAKRA D (F) 2 x FAKRA Z (F)	Braided Sleeve	Made to Order
A-CAB-123	5	HDF 195	1.5	4.8	SMA (F)	1 x FAKRA C (F) 2 x FAKRA D (F) 2 x FAKRA Z (F)	Braided Sleeve	Made to Order

## Electrical Specifications

	Cable Type		
	RG 58	HDF 195	HDF 400
Operating Frequency (MHz)	0 ~ 6000 MHz	0 ~ 6000 MHz	0 ~ 6000 MHz
VSWR	0 ~ 6000 MHz: 1.35 Max	0 ~ 6000 MHz: 1.35 Max	0 ~ 6000 MHz: 1.3 Max
Input Impedance (Ohm)	50 Ω (nominal)	50 Ω (nominal)	50±3 Ω (nominal)
Capacitance(pF/m)	101 pF/m	83.3 pF/m	78.4 pF/m
Velocity of Propagation (%)	66%	80%	85%
Time Delay (ns/m)	5.1 ns/m	4 ns/m	4.0 ns/m
Attenuation (dB/m)	0.1GHz : 0.155dB/m 0.4GHz : 0.418dB/m 0.9GHz : 0.535dB/m 1.5GHz : 0.76dB/m 1.8GHz : 0.79dB/m 2.4GHz : 0.97dB/m 3.0GHz : 1.1dB/m 5.8GHz: 2.0dB/m	0.1GHz : 0.135dB/m 0.4GHz : 0.250dB/m 0.9GHz : 0.385dB/m 1.5GHz : 0.507dB/m 1.8GHz : 0.565dB/m 2.4GHz : 0.666dB/m 3.0GHz : 0.788dB/m 5.8GHz: 1.15dB/m	0.15GHz : 0.056dB/m 0.4GHz : 0.095dB/m 0.9GHz : 0.138dB/m 1.5GHz : 0.18dB/m 1.8GHz : 0.201dB/m 2.4GHz : 0.242dB/m 3.0GHz : 0.28dB/m 5.8GHz: 0.38dB/m

## Mechanical Specifications

Inner Conductor: Material Diameter (mm)	Tinned Copper 19*0.18	Copper Clad Aluminium 0.94	Copper Clad Aluminium 2.74
Dielectric: Material Diameter (mm)	Solid PE 2.95	Foam PE 2.79	Foam PE 7.24
Outer Conductor: Material Diameter (mm)	Tinned Copper 3.45	Tinned Copper 3.40	Bonded Aluminium Foil 7.39
Jacket: Material Diameter (mm)	Black PVC 4.95	Black PVC 4.95	Black PVC 10.30
Minimum Bending Radius (mm)	50	50	200

## Environmental Specifications

Operating Temperature	-30° to + 70°C	-30° to + 70°C	-30° to +70°C
Environmental Conditions	Outdoor/Indoor	Outdoor/Indoor	Outdoor/Indoor
Operating Relative Humidity	≤ 65%	≤ 65%	≤ 65%
Storage Humidity	≤ 75%- non-condensing	≤ 75%- non-condensing	≤ 75%- non-condensing
Storage Temperature	- 40° to + 85°C	- 40° to + 85°C	- 40° to + 85°C

## Certification, Approvals & Standards

Cable Flammability rating	ECE118.02
Impact Resistance	IK 05
Product Safety	Complies with CE and RoHS standards



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