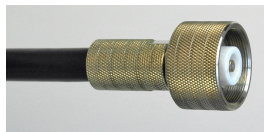


High Voltage Coaxial connectors & cable assemblies

Montena proposes high voltage RF 50 ohm coaxial connectors and cable assemblies specially developed for fast high voltage pulse transmission. The HVM50K series is designed for pulses up to 75 kV while the HVM200K series can withstand pulses up to 200 kV.

HVM50K Series



Cable connector HVM50K-CA



Feed through HVFT50K-S



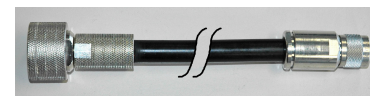
Socket HVM50K-S

SPECIFICATIONS - CONNECTORS

Reference	HVM50K-CA (m)	HVFT50K-S (f)	HVM50K-S (f)
Type	cable connector	feed through connector	panel mount socket
Recommended cable	RG217/U	n/a	n/a
Standard	proprietary		
Impedance	50 ohm		
Maximum DC voltage	25 kV		
Maximum pulse voltage	75 kV (for pulses shorter than 1 ns)		
Rise time	88 ps		
Frequency range	DC - 4 GHz		
External dimensions (diam. x L)	Ø 35 x 66 mm	Ø 44 x 47.6 mm	Ø 44 x 40 mm
Hole in the feedthrough panel	n/a	Ø 30 mm	Ø 30 mm



Cable assembly HVK50-xxx



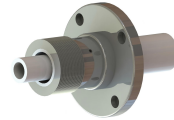
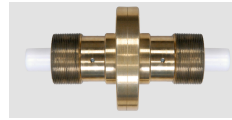
Cable assembly HVK50-N-xxx

CABLE ASSEMBLIES

Reference	Connector 1	Connector 2	Cable	Maximum ratings
HVK50-xxx	HVM50K-CA (m)	HVM50K-CA (m)	RG217/U	25 kV DC, 75 kV pulses < 1 ns
HVK50-N-xxx	HVM50K-CA (m)	N (m)	RG217/U	1.5 kV DC, ~3 kV pulses < 1 ns
HVK50-O-xxx	HVM50K-CA (m)	open end	RG217/U	25 kV DC, 75 kV pulses < 1 ns

xxx is the length in cm; standard lengths = 50 / 100 / 200 cm.

HVM200K Series

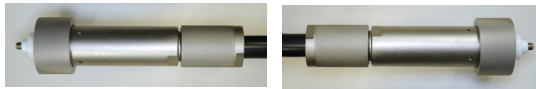


Cable connector HVM200K-CA Feed through HVFT200K-S

Socket HVM200K-S

SPECIFICATIONS - CONNECTORS

Reference	HVM200K-CA (m)	HVFT200K-S (f)	HVM200K-S (f)
Type	cable connector	feed through connector	panel mount socket
Recommended cable	RG218/U	n/a	n/a
Standard	proprietary		
Impedance	50 ohm		
Maximum DC voltage	75 kV		
Maximum pulse voltage	200 kV (for pulses shorter than 1 ns)		
Rise time	220 ps		
Frequency range	DC – 1.6 GHz		
External dimensions (diam. x L)	Ø 54 x 223 mm	Ø 90 x 186 mm	Ø 90 x 147 mm
Hole in the feedthrough panel	n/a	Ø 45 mm	Ø 45 mm



Cable assembly HVK200-xxx

CABLE ASSEMBLIES

Reference	Connector 1	Connector 2	Cable	Maximum ratings
HVK200-xxx	HVM200K-CA (m)	HVM200K-CA (m)	RG218/U	75 kV DC, 200 kV pulses < 1 ns
HVK200-N-xxx	HVM200K-CA (m)	N (m)	RG218/U	1.5 kV DC, ~3 kV pulses < 1 ns
HVK200-O-xxx	HVM200K-CA (m)	open end	RG218/U	75 kV DC, 200 kV pulses < 1 ns

xxx is the length in cm; standard lengths = 50 / 100 / 200 cm.



Feed through adapter HVK200-N

ADAPTERS

Reference	Connector 1	Connector 2	Maximum ratings
HVK200-N	HVM200K-CA (f)	N (f)	1.5 kV DC, ~3 kV for pulses < 1 ns