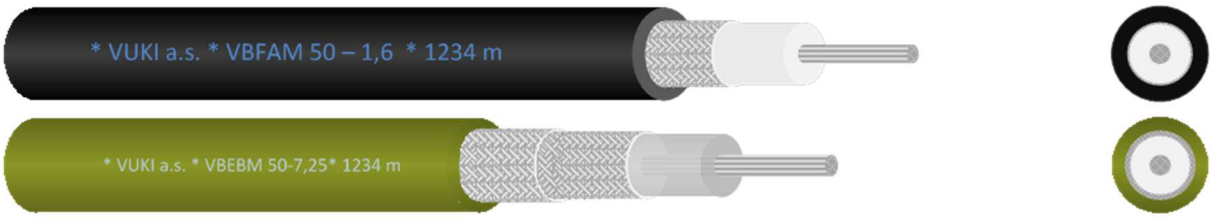
3. COAXIAL CABLES / 3.2 COAXIAL CABLES 50 Ω / VBF(E)A(B)M

50 Ω coaxial cables with FEP or PE insulation,
with A type shielding (braiding with CuAg wires)
with B type shielding (double braiding from CuAg wires)



Application:

Cables are used for the most challenging applications in measuring and instrumentation and radio engineering.

Cable construction:

- **Core construction:** CuAg conductor cl. 2
- **Insulation material:** F (FEP), E (polyethylene)
- **Shield construction:** A - CuAg braiding with covering >91 %
  B - double CuAg braiding with covering 94 % (each braiding covered > 91 %)
- **Sheath cable:** PVC

Technical data:

- **Capacity:** 101 pF/m
- **Propagation velocity :** 0,69 (FEP), 0,66 (PE)

Aplication tables:

Cable type	Cable type acc. to RG MIL-C-17	Min. bending radius	Max. permissible pulling force	Weight	Inner core diameter	Diameter over insulation	Outer diameter
		[mm]	[N]	[kg/km]	[mm]	[mm]	[mm]
VBFAM 50-1,6	RG316	25	25	19	0,57 (7x0,19)	1,6	3,2
VBEBM 50-7,25	RG214	110	100	200	2,25 (7x0,75)	7,25	11,2

Cable type	Cable type acc. to RG MIL-C-17	Wave impedance	Attenuation (at 20°C) at a frequncy in MHz: 200 1000 (measured values)		Screening efficiency to 1000 MHz
		[Ω]	[dB/100 m]		[dB]
VBFAM 50-1,6	RG316	50 ± 3	40	95	40
VBEBM 50-7,25	RG214	50 ± 3	9	25	65

The information supplied on this data sheet complies with our current level of knowledge by the date of publication. These information can be revised if there are any new knowledge and experiences available. Stated data are valid only for VUKI products. Any data changes in this documentation are restricted. Values in this documentation consider as informative data.

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