



50 Ω coaxial cables with PE insulation,
with O type shielding (Cu braiding)
with J type shielding (longitudinal covered AIPET tape+ CuSn braiding)
with D type shielding (double Cu braiding)



Application:

Cables are used for computer LAN networks with transmission speed up to 10 Mbit/s acc. to IEEE 802.3 (ETHERNET LAN), for antenna transmitter, for v.f. energy transmission, for special usage, for demand usage in radio engineering and for flexible power supply in instrumentation.

Cable construction:

- **Core construction:** copper conductor cl. 2
- **Insulation material:** polyethylene
- **Shield construction:**
 - O - Cu braiding with covering > 91 %
 - J - longitudinal covered AIPET tape+ CuSn braiding with 50 % covering
 - D - double Cu braiding with covering > 99 % (each braiding covered > 91 %)
- **Sheath cable:** PVC

Technical data:

- **Capacity:** 101 pF/m
- **Propagation velocity:** 0,66

Application 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]
VLEOY 50-2,95	RG58	25	70	40	0,94 (7x0,315)	2,95	5
VLEDY 50-2,95	RG223	30	70	58	0,94 (7x0,315)	2,95	5,5
VLEOY 50-7,25	RG213	50	100	150	2,25 (7x0,75)	7,25	10,3
VLEJY 50-7,25	RG213	50	100	140	2,25 (7x0,75)	7,25	10,3
VLEDY 50-7,25	RG214	55	100	170	2,25 (7x0,75)	7,25	11,0

Cable type	Cable type acc. to RG MIL-C-17	Wave impedance	Attenuation (at 20°C) at a frequency in MHz:				Screening efficiency to 1000 MHz
			50	100	200	500	
		[Ω]	[dB/100 m] (measured values)				[dB]
VLEOY 50-2,95	RG58	50 ± 3	12,0	16,0	23,0	37,0	35
VLEDY 50-2,95	RG223	50 ± 3	11,0	15,0	22,0	36,0	60
VLEOY 50-7,25	RG213	50 ± 3	5,0	7,0	11,0	16,5	35
VLEJY 50-7,25	RG213	50 ± 3	4,5	6,0	9,5	15,5	75
VLEDY 50-7,25	RG214	50 ± 3	4,5	6,5	10,5	16,0	60

