



Halogen-free 50 Ω coaxial cables with XPE insulation,
with O type shielding (with Cu braided)
with J type shielding (longitudinal ALPET tapecovered + CuSn 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 vF energy transmission, for special usage, for demand usage in radio engineering and for flexible power supply in instrumentation. Cables are reduced flame propagation according to STN EN 60332-2-1 (STN EN 50266-2-...), halogen-free, with low density of smoke according to STN EN 61034-2 and with low corrosivity of combustion gases according to STN EN 50267-2-3. Cables can be used in the fire hazard conditions and can be installed on flammable material.

Cable construction:

- **Core construction:** copper conductor cl. 2
- **Insulation material:** cross-linked polyethylene
- **Shield construction:** J - longitudinal covered ALPET tape+ CuSn braiding with 50 % covering
- **Sheath cable:** halogen-free, flame-retardant material

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]
VLXOE-R 50-2,95	RG58	25	70	40	0,94 (7x0,315)	2,95	5
VLXOE-R 50-7,25	RG213	50	100	150	2,25 (7x0,75)	7,25	10,3
VLXJE-R 50-7,25	RG213	50	100	140	2,25 (7x0,75)	7,25	10,3

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

