Halogen-free 75 Ω coaxial cables with XPE insulation, with J type shielding (longitudinal covered AlPET tape+ CuSn braiding)

Application:

Cables are used for tertiary TV cable networks, for satellite reception systems and home distribution of TV signal. 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 qnd can be installed on flammable material. Cables in LOCA execution are intended for nuclear power plant of type VVER 440 (STN IEC 60780, IEEE323, IEEE 383).

Cable construction:

- **Core construction:** copper conductor cl. 1 or cl. 2
- **Insulation material:** Polyethylene (or cross-linked PE)
- **Shield construction:** longitudinal covered AlPET tape+ CuSn braiding with 50 % covering
- **Filler:** HF
- **Sheath cable:** halogen-free, flame-retardant material

Technical data:

- **Capacity :** 67 pF/m
- **Propagation velocity :** 0,66

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]	[g/m]	[mm]	[mm]	[mm]
VCEJE-R 75-3,7 LOCA	RG59	25	60	46	0,6	3,7	6
VCEJE-R 75-4,8 LOCA	RG6	30	70	58	0,75	4,8	7
VCEJE-R 75-7,25 LOCA	RG11	40	100	110	1,15	7,25	10,3

Cable type	Cable type acc. to RG MIL-C-17	Wave impedance	Attenuation (at 20°C) at a frequncy in MHz: 200 400 800 1700 (measured values)				Screening efficiency to 1000 MHz
		[Ω]	[dB/100 m]				[dB]
VCEJE-R 75-3,7 LOCA	RG59	75 ± 3	16,0	25,0	36,0	55,0	75
VCEJE-R 75-4,8 LOCA	RG6	75 ± 3	12,5	18,5	27,5	44,0	75
VCEJE-R 75-7,25 LOCA	RG11	75 ± 3	9,0	14,0	20,0	33,0	75

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