



Halogen-free 75 Ω coaxial cables with foam PE insulation, with J type shielding (longitudinal covered AIPET 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 and can be installed on flammable material.

Cable construction:

- **Core construction:** copper conductor cl. 1
- **Insulation material:** foam polyethylene
- **Shield construction:** longitudinal covered AIPET tape+ CuSn braiding with 50 % covering
- **Sheath cable:** halogen-free, flame-retardant material

Technical data:

- **Capacity:** 54 pF/m
- **Propagation velocity:** 0,81

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] | [g/m] | [mm] | [mm] | [mm] |
| VCCJE-R 75-2,6 | - | 15 | 40 | 33 | 0,6 | 2,6 | 4,5 |
| VCCJE-R 75-3,7 | RG59 | 25 | 50 | 42 | 0,8 | 3,7 | 6 |
| VCCJE-R 75-4,8 | RG6 | 30 | 60 | 52 | 1,1 | 4,8 | 7 |
| VCCJE-R 75-7,25 | RG11 | 40 | 80 | 98 | 1,6 | 7,25 | 10,3 |

| 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 |
|-----------------|--------------------------------|----------------|--|------|------|------|----------------------------------|
| | | | 200 | 400 | 800 | 1700 | |
| | | [Ω] | [dB/100 m] | | | | [dB] |
| VCCJE-R 75-2,6 | - | 75 ± 3 | 18,0 | 25,0 | 36 | 55 | 75 |
| VCCJE-R 75-3,7 | RG59 | 75 ± 3 | 11,9 | 17,2 | 25,5 | 38,2 | 75 |
| VCCJE-R 75-4,8 | RG6 | 75 ± 3 | 9,3 | 13,2 | 19,5 | 30,1 | 75 |
| VCCJE-R 75-7,25 | RG11 | 75 ± 3 | 6,3 | 9,4 | 14,0 | 22,0 | 75 |

