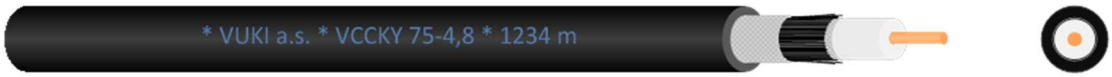
# 3. COAXIAL CABLES / 3.1 COAXIAL CABLES 75 Ω / VCCKY (E,D)-N



75 Ω coaxial cables with foma PE ionsulation, with K type shielding (longitudinal covered AlPET tape+ enclosed wires + longitudinal covered AlPET tape)




## Application:

Cables are used for tertiary TV cable networks, for satellite reception systems and home distribution of TV signal.

## Cable construction:

- **Core construction:** copper conductor cl. 1
- **Insulation material:** foam polyethylene
- **Shield construction:** longitudinal covered AlPET tape+ enclosed tinned wires + longitudinal covered AlPET tape
- **Sheath cable:** PVC (type VCCKY), double sheating PE+PVC (type VCCKD), PE (type VCCKE, used to ground), self-supporting cable (typeVCCKY-N)

## Technical data:

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

## 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] |
| VCCKY 75-3,7 | RG59 | 25 | 50 | 35 | 0,8 | 3,7 | 6 |
| VCCKY 75-4,8 | RG6 | 30 | 60 | 48 | 1,1 | 4,8 | 7 |
| VCCKY-N 75-4,8 | (RG6) | 50 | 2270* | 155 | 1,1 | 4,8 | 9x13 |
| VCCKD 75-4,8 | RG6 | 40 | 65 | 87 | 1,1 | 4,8 | 8,5 |
| VCCKE 75-4,8 | RG6 | 30 | 60 | 45 | 1,1 | 4,8 | 7 |

* Max. permissible pulling force of wires 1270 MPa

| 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] |
| VCCKY 75-3,7 | RG59 | 75 ± 3 | 12,0 | 18,0 | 27,5 | 41,0 | 80 |
| VCCKY 75-4,8 | RG6 | 75 ± 3 | 9,3 | 14,0 | 21,0 | 33,0 | 80 |
| VCCKY-N 75-4,8 | (RG6) | 75 ± 3 | 9,3 | 14,0 | 21,0 | 33,0 | 80 |
| VCCKD 75-4,8 | RG6 | 75 ± 3 | 9,3 | 14,0 | 21,0 | 33,0 | 80 |
| VCCKE 75-4,8 | RG6 | 75 ± 3 | 9,3 | 14,0 | 21,0 | 33,0 | 80 |





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