

# UTVFLEX-VCR



## Cable construction

|                                 |                           |
|---------------------------------|---------------------------|
| Phase conductor                 |                           |
| Nominal cross section           | mm <sup>2</sup> 2,5       |
| Conductor material              | Tinned copper             |
| Conductor construction          | IEC 60228 class 5         |
| Nominal conductor diameter      | mm 1,9                    |
| Insulation material             | EPR, 3GI3 quality         |
| Cores                           | Black numbered + G/Y      |
| Central filler Material         | Textile KEVLAR® support   |
| Separator                       |                           |
| Tape (around the twisted cores) | Reinforced tape           |
| Inner sheath                    |                           |
| Inner sheath material           | Halogen free polyurethane |
| Antitorsional element           |                           |
| Textile braid                   | Polyester                 |
| Outer sheath                    |                           |
| Outer sheath material           | Halogen free polyurethane |
| Colour                          | Black                     |

Marking : UTVFLEX® -VCR + Cross section + week/year + meters + UTV CAVI MADE IN ITALY CE

## Electrical working data

Nominal rated voltage  $U_0 / U$  0,6/1 KV

Test voltage 4 KV

## Thermal working data

Maximum short circuit temperature °C 250

Maximum working temperature on the conductor °C 90

Minimum ambient temperature: mobile condition °C -40

Minimum ambient temperature: static condition °C -50

## Chemical working data

Oil resistance Acc. to IEC 60811-404

Ozone resistance Acc. to IEC 60811-403

Burning behaviour Acc. to IEC 60332-1-2

Gas emission during combustion Acc. to IEC 60754-1

| Cross section mm <sup>2</sup> | Nom. Diameter mm | Weight Kg/m | Tensile load (N) |
|-------------------------------|------------------|-------------|------------------|
| 39G2,5                        | 27,8 - max 29,0  | 1,30        | 5625             |
| 42G2,5                        | 29,3 - max 29,5  | 1,39        | 5850             |

Bending radius (freely flexing acc.to VDE 0298-3) 140mm for 39G2,5

Bending radius (freely flexing acc.to VDE 0298-3) 150mm for 42G2,5

## NOTE

Standard reference:

Based on DIN VDE 0250 Part 814