

**HD-SDI - multichannel video cables - 3 x 0.6/28.AF - FRNC Eca**

- analog, high resolution RGBHV or 5 x digital video
- double shielding (100% foil + 90% braid)
- flame retardant and non corrosive (FRNC)
- not suitable for mobile HD-SDI use
- CPR class Eca acc. to EN50575

**Eca****FRNC****UHD****6GSDI**

This multichannel video cable is used for analog and digital colour signal transmission in data and TV studio technology. The colour signals red, green and blue and - if required - synchronisation signals can be transmitted via a single video cable from our multichannel range. The FRNC version with improved fire-resistant qualities is flame retardant and halogen-free.

**construction**

|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| inner conductor     | solid bare copper, Ø 0.60 mm                                     |
| insulation          | Foam-Skin PE, gas injected, Ø 2.8 mm                             |
| shielding           | AL/PET/AL double-layer foil + tinned copper braid (92% coverage) |
| element jacket      | LSZH, Ø 4.5 mm                                                   |
| colours of elements | red, green, blue                                                 |
| twisting            | 3 elements around a central filler                               |
| outer jacket        | FRNC, black                                                      |

**mechanics**

|                     |                     |
|---------------------|---------------------|
| min. bending radius | 10x outer diameter  |
| flame retardancy    | acc. to IEC 60332-1 |
| halogen-free        | acc. to IEC 60754-2 |

**electric**

|                          |           |
|--------------------------|-----------|
| characteristic impedance | 75 Ω ± 1% |
| capacity                 | 58 pF/m   |
| velocity of propagation  | 81 %      |
| attenuation [dB/100m]    |           |
| 1 MHz                    | 1.2       |
| 5 MHz                    | 2.7       |
| 10 MHz                   | 3.8       |
| 100 MHz                  | 10.8      |
| 135 MHz                  | 12.4      |
| 200 MHz                  | 15.0      |
| 270 MHz                  | 17.5      |
| 500 MHz                  | 24.2      |
| 1000 MHz                 | 34.7      |
| 1500 MHz                 | 43.2      |

| order code | outer jacket | outer Ø mm | heat of combustion kWh/km | colour | weight kg/m | standard lengths m        |
|------------|--------------|------------|---------------------------|--------|-------------|---------------------------|
| VD3062SH-E | FRNC         | 12.0       | 3260                      | black  | 0.16        | 25 / 50 / 100 / 200 / 300 |

technical specifications are subject to change