

RGB-KOAX-CY / RGB-KOAX-(St)Y

transmission cables for colour monitor



Technical data

- **Base cable 0,37/1,5 bzw. 0,6/3,7**
- **Temperature range**
fixed installation -10°C to +80°C
flexing -5°C to +50°C
- **Mutual capacitance** 67 nF/km
- **Impedance** 75 Ohm
- **Attenuation**
RGB-Coax 0,37/1,5
1 MHz = 2,0 dB/100m
2 MHz = 2,8 dB/100m
5 MHz = 4,0 dB/100m
10 MHz = 5,8 dB/100m
20 MHz = 8,4 dB/100m
50 MHz = 13,9 dB/100m
100 MHz = 19,8 dB/100m
200 MHz = 28,5 dB/100m
RGB-Coax 0,6/3,7
1 MHz = 1,1 dB/100m
2 MHz = 1,5 dB/100m
5 MHz = 2,5 dB/100m
10 MHz = 3,5 dB/100m
20 MHz = 4,5 dB/100m
50 MHz = 7,2 dB/100m
100 MHz = 10,4 dB/100m
200 MHz = 15,1 dB/100m
- **Minimum bending radius**
15x cable Ø

Cable construction

- RGB-KOAX-CY ... x0,37/1,5**
- Inner conductor bare copper, solid, conductor Ø 0,37 mm
 - Dielectric (insulation) of cell-Polyethylene
 - Outer conductor of tinned copper wire braiding
 - PVC-jacket in colour
red, green, blue for 3xRGB COAX
red, green, blue, white, black for 5xRGB COAX
 - 3 or 5 Coax twisted with optimal lay-length
 - Foil taping
 - Overall braid-screening, tinned copper with optimal surface coverage and drain-wire
 - PVC-outer jacket, black
- RGB-KOAX-CY 3x0,37/1,5 + 3x0,25**
- Cable structure as per above, but with additional control cores (3x0,25) in the interstices
 - Colour brown, green, white
- RGB-KOAX-(St)Y ... x0,6/3,7 (deviation)**
- Inner conductor, bare copper, solid, conductor Ø 0,6 mm
 - Outer conductor of tinned or bare copper wire braiding
 - Foil taping
 - Plastic coated aluminium foil and drain wire
 - PVC-outer jacket, green or black

Properties

The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers.

Application

RGB cables are suitable for the transmission of both analogue and digital video signals. They are used particularly as connecting cables for data systems, engineering applications (CAD, high-definition graphics) and in television studios. The three main signals (red, green, blue) are transmitted separately. Depending on the application, it is possible to supply the base cable with further coaxial cables or with symmetrical signal cores for the intensity and horizontal or vertical synchronisation.

RGB-KOAX-CY ... 0,37/1,5

Part No.	No. RGB-Coax n x mm	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
40145	3 x 0,37/1,5	7,2	23,0	59,0
40147	3 x 0,37/1,5 + 3 x 0,25	8,2	39,0	89,0
40146	5 x 0,37/1,5	9,0	36,0	89,0

RGB-KOAX-(St)Y ... 0,6/3,7

Part No.	No. RGB-Coax n x mm	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
40148	3 x 0,6/3,7	16,0	66,0	278,0
40149	5 x 0,6/3,7	19,0	102,0	397,0

Dimensions and specifications may be changed without prior notice.