product data sheet

item no. 00.770.0303.7

# flat cable 5G2,5MM² HF GN B2

gesis® NRG BASIC flat cable; mains 5G2.5; 20 A; 0.6/1 kV; halogen free fire class: B2ca s1a d1 a1; color: green.



| | |
|---|---|
| item no. | 00.770.0303.7 |
| EAN | 4049088462269 |
| order unit | 1 piece(s) |

## certificates / approvals

## technical data

**general**

| | |
|---|---|
| core insulation | PE |
| core identification | color |
| number of cores | 5 |
| flame retardant | according to DIN 60332-1-2 |
| conductor category | class 6 = very flexible |
| screen | no |
| yellow/green conductor | yes |
| cable width approx. | 24 mm |
| cable height approx. | 6.3 mm |
| color outer sheath | green |
| material outer sheath | polyolefin |
| fire class | B2ca s1a d1 a1 |

**technical data**

| | |
|---|---|
| nominal cross section conductor | 2.5 mm² |
| nominal voltage UN | 1000 V |
| nominal voltage U0 | 600 V |
| bending radius, static | 100 mm |
| fire class | B2ca s1a d1 a1 |
| conductor category | class 6 = very flexible |
| number of cores | 5 |
| core insulation | PE |
| yellow/green conductor | yes |
| screen | no |
| material outer sheath | polyolefin |
| color outer sheath | green |
| flame retardant | according to DIN 60332-1-2 |

| | |
|---|---|
| halogen free (according to EN 60754-12) | yes |
| cable width approx. | 24 mm |
| cable height approx. | 6.3 mm |
| ambient temperature min. | -25 °C |
| ambient temperature max. | 90 °C |
| nominal voltage U0 | 600 V |
| nominal voltage U | 1000 V |

**material**

| | |
|---|---|
| halogen free | yes |
| fire load | 1.3 kWh/m |

## accessories

| item no. | type | description |
|---|---|---|
| F0.000.0051.9 | cutting tool podis/gesis | Cutter for podis and gesis cables up to 5G16 (AWG 5C6), blade length 40 mm |
| 05.562.3000.0 | cable clip Befestigungsschelle | Cable clip for flat cable |
| 06.562.0653.0 | end cap GESIS NRG 5x2,5+5x4MM² | gesis® NRG end cap; for flat cable 5G2,5 and 5G4; IP40; can be assembled after cable is cut with special cutting tool; colour: natural coloured |
| 95.300.0600.0 | cutting tool GESIS NRG 5x2,5+5x4MM² | gesis® NRG cutting tool; mandatory to cut and prepare the ends of gesis NRG BASIC and gesis NRG DIMM flat cable for the end cap. |
| 99.681.0000.0 | sample case GESIS NRG 5x2,5+5x4MM² | gesis® NRG sample case 5G2,5 and 5G4 mmm²; contains feed-in and tapping gesis® NRG BASIC and DIMM, flat cable 5G2,5 mm² PVC pastel blue, flat cable 5G4 mm² halogenfree green, end caps, screw driver TX10. |

## assembly

| item no. | type | description |
|---|---|---|
| 92.050.1553.1 | flat cable adapter GST18I5A S1 F7 SW | gesis® NRG mains feed-in for flat cable; colour: black; 250/400 V; 20 A; IP40; integrated strain-relief to feed-in with round cables, diameter: 12 to 16 mm, cross-section fine-stranded: 2,5 bis 4 mm², solid: 2,5-6 mm²; Piercing-contact screws with Torx-head; for gesis® NRG flat cable 5G2,5, 5G4, 5G2,5+2x1,5 and 5G4+2x1,5 |
| 92.031.5453.1 | flat cable adapter GST18I3I B1H F7V SW | gesis® NRG flat cable adapter to GST18i3; Code 1 mains; colour of coding: black; pre-selection of L1 or L2 or L3; 250 V; 20 A; IP20; pluggable output parallel to flat cable; piercing-contact screws with Torx-head; for gesis® NRG flat cable 5G2,5, 5G4, 5G2,5+2x1,5 and 5G4+2x1,5 |
| 92.051.5453.1 | flat cable adapter GST18I5I B1H F7V SW | gesis® NRG flat cable adapter to GST18i5; Code 1 mains; colour of coding: black; 250/400 V; 20 A; pluggable output parallel to flat cable; piercing-contact screws with Torx-head; for gesis® NRG flatcable 5G2,5, 5G4, 5G2,5+2x1,5 und 5G4+2x1,5 |
| 06.562.0653.0 | end cap GESIS NRG 5x2,5+5x4MM² | gesis® NRG end cap; for flat cable 5G2,5 and 5G4; IP40; can be assembled after cable is cut with special cutting tool; colour: natural coloured |