



(INT+43 1/ NAT 01)  
TEL 360 20 - 0 / FAX - 1234  
A-1194 VIENNA, P.O. BOX 2

## GG-CONSTRUCTION MODEL

-FOR GUIDANCE PURPOSES ONLY, SPECIFICATIONS ARE SUBJECT TO CHANGE-

**X 8266**

GG-STANDARD

**E3**

ISSUE

### 1. DESIGN DATA

#### 1.1 CORE 0.75mm<sup>2</sup>:

**1.1.1 Conductor** : Nominal cross section area 0.75mm<sup>2</sup>, bare copper wires (23 wires, max.  $\varnothing$  0.21mm), material and conductor construction according to IEC 60228, class 5.

**1.1.2 Insulation** : FRNC, Shore D 45  $\pm$  5 according to DIN 53505, dimensions according to EN 50214, colour : bk with wh number marking according to CENELEC HD 186/S2, Pt. 6, measurements according to EN 50214.

#### 1.2 CORE 1.0mm<sup>2</sup>:

**1.2.1 Conductor** : Nominal cross section area 1.0mm<sup>2</sup>, bare copper wires (31 wires, max.  $\varnothing$  0.21mm), material and conductor construction according to IEC 60228, class 5.

**1.2.2 Insulation** : FRNC, Shore D 45  $\pm$  5 according to DIN 53505, dimensions according to EN 50214, colour : gnye, measurements according to EN 50214.

**1.3 ELEMENT STRANDING** : Element 1 and 4: 4 cores 0.75mm<sup>2</sup> stranded together, lay-length (approx.): 65mm.  
Element 2 and 3: 3 cores 0.75mm<sup>2</sup> + 1 core 1.0mm<sup>2</sup> stranded together, lay-length (approx.) 65mm.

**1.3.1 Wrapping** : Fleece.

#### 1.4 COMMUNICATION ELEMENT

**1.4.1 Conductor** : Nominal cross section area 0.25mm<sup>2</sup>, tinned copper wires (14 wires, max.  $\varnothing$  0.16mm), material Cu-ETP1-A013-C according to DIN EN 13602, conductor construction according to IEC 60228, class 5.

**1.4.2 Insulation** : PE, type 2YI2 according to DIN VDE 0207/T2, Shore D 48  $\pm$  5 according to DIN 53505, colour : bn, ye, gn, bn, gy, pk wh.

**1.4.3 Stranding** : 2 cores stranded together, element 1 : wh-bn, element 2 : gn-ye, element 3 : gy-pk, element 4 : bu-rd, element 5 : bk-vt, lay (approx.) : 42mm.

**1.4.4 Wrapping** : PETP-foil.

**1.4.5 Screen** : Braid of tinned copper wires  $\varnothing$  0.10mm, material Cu-ETP-A013-C according to DIN EN 13602, optical coverage approx. 85%.

**1.4.6 Wrapping** : fleece.

**P o l y f l e x**

Flat, FRNC-sheated, flexible lift cable without strain bearing member.

**Type LEAFL-(NY+NY+V02YCVF)NY**

**14X0,75+2X1+5(2x0,25)**

GG-PART No.  
**141831**

DESIGNED  
**STRASSER**

CHECKED  
**PALMSTEINER**

DATE  
**06.11.2015**

EXTERNAL SPECIFICATION  
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- 1.5 ARRANGEMENT** : the cores are summarized in groups, each group includes a rip cord.  
**1.6 PARTING COMPOUND** : GG-special parting compound.  
**1.7 SHEATH** : FRNC, Shore D 45 ± 5 according to DIN 53505,  
 dimensions according to EN 50214,  
 colour : bk.

### 2. ELECTRICAL CHARACTERISTICS

#### 2.1 ELEMENT

- 2.1.1 Max. conductor resistance** : 87.6  $\Omega$ /km at 20°C.  
**2.1.2 Test voltage (50 Hz)** : core/core : 1.5 kV<sub>rms</sub>,  
 core/screen : 1.0 kV<sub>rms</sub>.  
**2.1.3 Characteristic impedance** : 120  $\Omega$  ± 10% at 250 kHz.

#### 2.2 CORE 0,75mm<sup>2</sup>

- 2.2.1 Max. conductor resistance** : 26.0  $\Omega$ /km at 20°C.  
**2.2.2 Min. insulation resistance** : 0.011 M $\Omega$ .km at 70°C.  
**2.2.3 Nominal voltage (50 Hz)** : 300/500 V<sub>rms</sub>.  
**2.2.4 Test voltage (50 Hz)** : 2.0 kV<sub>rms</sub> according to CENELEC HD 21.1/S2, table 3, Pt. 2.

#### 2.3 CORE 1.0mm<sup>2</sup>

- 2.3.1 Max. conductor resistance** : 19.5  $\Omega$ /km at 20°C.  
**2.3.2 Min. insulation resistance** : 0.011 M $\Omega$ .km at 70°C.  
**2.3.3 Nominal voltage (50 Hz)** : 300/500 V<sub>rms</sub>.  
**2.3.4 Test voltage (50 Hz)** : 2.0 kV<sub>rms</sub> according to CENELEC HD 21.1/S2, table 3, Pt. 2.

### 3. CHARACTERISTICS

- 3.1 OPERATION TEMPERATURE** : -15°C to +50°C.  
**3.2 AMBIENT STORAGE TEMPERATURE** : -40°C to +70°C.  
**3.3 BENDING RADIUS** : Min. 7 x cable- $\phi$  (short side) according to CENELEC HD 516/S2, Tab. 6.2  
**3.4 BENDING TEST** : Min. 60.000 bending cycles (120.000 single strokes).  
**3.5 FREE HANGING LENGTH** : Max. 40m (max. lift height 70m).  
**3.6 LOOP DIAMETER** : 350 - 450 mm.  
**3.7 MAX. LIFT SPEED** : 4.0 m/s.

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without strain bearing member.

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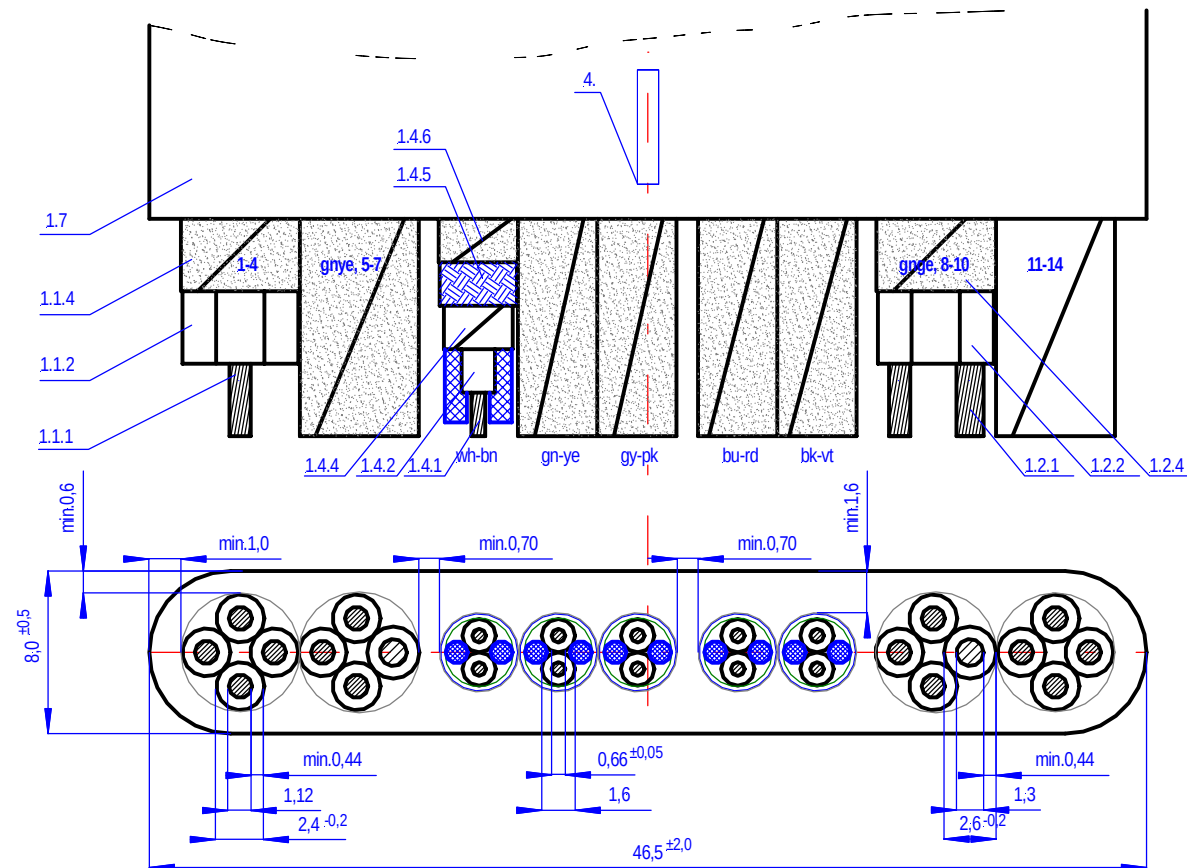
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4. **WEIGHT** : approx. 496 g/m.  
 5. **IDENTIFICATION** : Imprint: "GEBAUER & GRILLER - type designation - FRNC - metermarking - production date "  
 on sheath (distance  $\leq 500\text{mm}$ ).  
 6. **DELIVERY MAKE-UP** : On drums E-10 (1000mm flange- $\phi$ ) with regular-length 0.5km,  
 sub-lengths allowed.



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