



(INT+43 1/ NAT 01)  
TEL 360 20 - 0 / FAX - 234  
A-1194 VIENNA, P.O. BOX 2

# GG - DATA SHEET

-IN DOUBT, THE GERMAN ORIGINAL GOVERNS THIS TRANSLATION-

**K 1676**  
GG-STANDARD

**E4**  
ISSUE

## 1. DESIGN DATA

### 1.1 ELEMENT

1.1.1 **Conductor** : Nominal cross-section 0.50mm<sup>2</sup>, tinned copper wires (16 wires, max.  $\varnothing$  0.21mm), material E-Cu 58 F21-V2 according to DIN 40500/part 5, conductor arrangement according to IEC 228, class 5.

1.1.2 **Insulation** : PE, type 2YI2 according to DIN VDE 0207/part 2, Shore D 48  $\pm$  5 according to DIN 53505.

1.1.3 **Stranding** : 2 cores twisted together, lay (approx.) : 35mm, colours : Pair No.1 : wh, bu, Pair No.2 : wh, or.

1.1.4 **Wrapping** : PETP-foil.

1.1.5 **Screening** : tinned copper wires,  $\varnothing$  0.10mm, material E-Cu 58 F21-V2 according to DIN 40500/part 5, coverage  $\geq$  80%.

1.1.6 **Wrapping** : PETP-foil.

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

1.2.1 **Conductor** : Nominal cross-section 0.75mm<sup>2</sup>, bare copper wires (max.  $\varnothing$  0.21mm), material and conductor arrangement according to IEC 228, class 5.

1.2.2 **Insulation** : PVC, type T11 according to CENELEC HD 21.1/S2, table 1, Shore A 88  $\pm$  5 according to DIN 53505, colour : bk with number marking according to CENELEC HD 186/S2, point 6, whereby the gnye core has no number marking, testing according to CENELEC HD 21.1/S2, point 5.2.

1.4 **ARRANGEMENT** : according to guiding rule EN 50214, point 5.2.3.3 the cores are summarized in groups, each group includes a tearing thread.

1.5 **PARTING COMPOUND** : Lithiumstearat between core- and sheath-material.

## P o l y f l e x

flat PVC-sheathed, flexible lift cable  
without strain bearing member 300/500V.

**Type LEAFL-(Y+V2YCVF)Y-JZ 20G0,75F+2x2x0,5F**

GG-PART No.  
15557

DESIGNED  
STRASSER

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MANDL

DATE  
20.10.09

EXTERNAL SPECIFICATION  
similar to EN 50214

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**1.6 SHEATH** : PVC, type TM2 according to CENELEC HD 21.1/S2, table 2,  
Shore A 77 ± 5 according to DIN 53505,  
colour : bk,  
dimensions according to CENELEC HD 359/S3, table 4,  
testing according to CENELEC HD 21.1/S2.

**2. ELECTRICAL CHARACTERISTICS**

**2.1 ELEMENT**

2.1.1 Max. conductor resistance : 40.0 Ω/km at 20°C.

2.1.2 Testing voltage (50 Hz) : core/core : 1.5 kV(rms),  
core/screen : 800 V(rms).

2.1.3 Insulation resistance : min. 10 GΩ.km at 20°C.

**2.2 CORE 0.75mm<sup>2</sup>**

2.2.1 Max. conductor resistance : 26.0 Ω/km at 20°C.

2.2.2 Min. insulation resistance : 0.011 MΩ.km at 70°C.

2.2.3 Nominal voltage (50 Hz) : 300/500 V(rms).

2.2.4 Testing voltage (50 Hz) : 1.5 kV(rms) according to CENELEC HD 21.2/S2, point 2.2.

**3. PHYSICAL CHARACTERISTICS**

3.1. OPERATING TEMPERATURE : -15°C to +70°C.

3.2. BENDING RADIUS : Min. 8 x thickness of cable (small side) according to CENELEC HD 516/S2, table 6.2.

3.3. BENDING TEST : Min. 30.000 bending cycles according to CENELEC HD 359/S3, point 2.7.

3.4. FREE HANGING LENGTH : Max. 45m (max. lift height 80m).

3.5. MAX. LIFT SPEED : 10 m/s.

**4. WEIGHT** : approx. 545 g/m.

**5. IDENTIFICATION** : Continuous white marking "GEBAUER & GRILLER - Polyflex -  
meter marking - production date " on sheath (distance ≤ 500mm).

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20x0,75+ 2tw prs - 221376.

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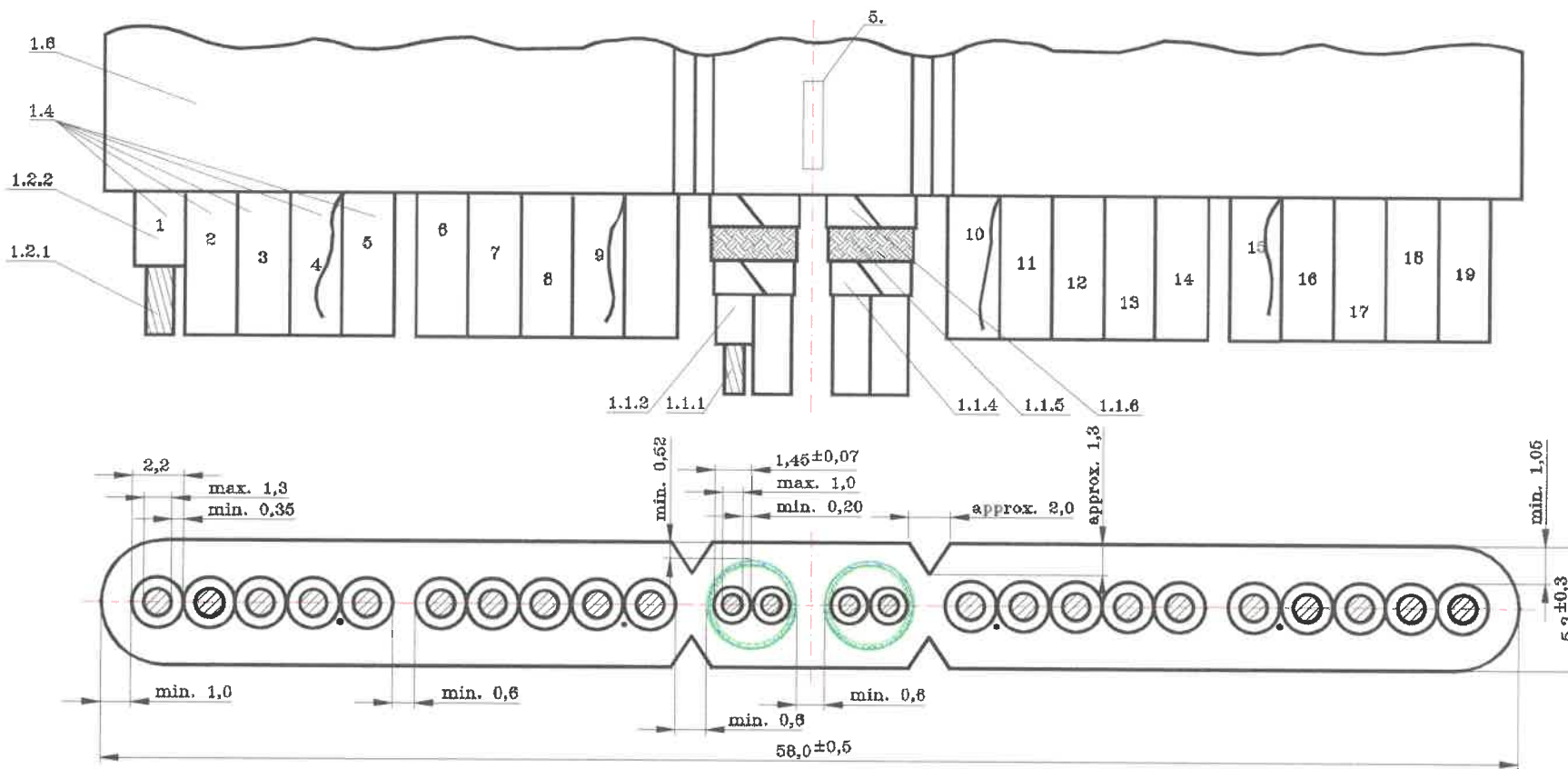
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**6. DELIVERY MAKE-UP** : On drums E-14 (1400mm flange- $\phi$ ) with standard length 1.0km, sub-lengths allowed.



## Polyflex

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