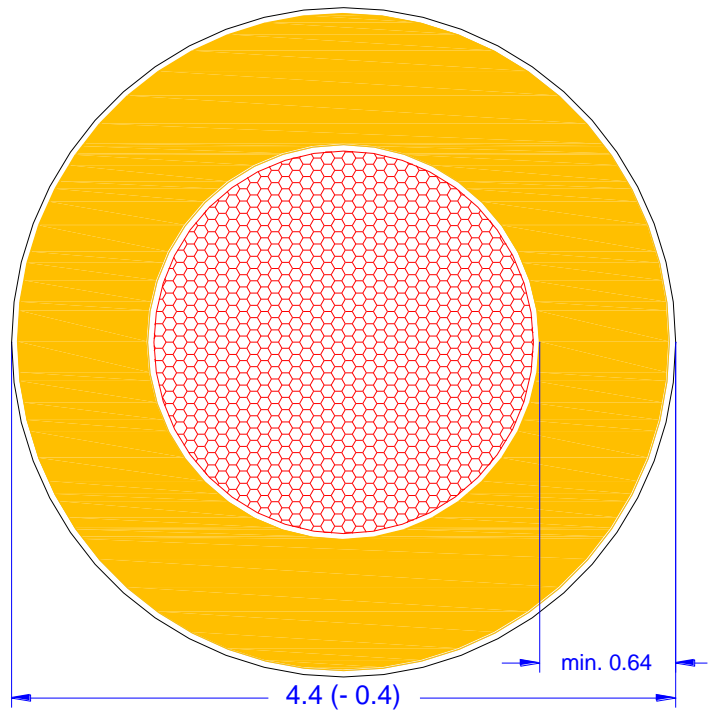


**nshielded cable for
 automotive electric powertrain**

FHL2G 4.0 mm² / 0.21 T180 0.6/1.0 kV



Specification LV 216-1 Tabelle A.1
 VW N **tbd.**

Conductor 4.0 mm²
 Conductor material: E-Cu ETP1 according
 DIN EN 13602
 Conductor design: stranded bare copper
 120 (±5 %) x max. 0.21 mm
 max. 2.8 mm ¹⁾
 Conductor diameter:

Core insulation
 Core insulation: mod. Silicon rubber SiR
 Core diameter: 4.4 mm (- 0.4)
 Insulation wall thickness: min. 0.64 mm
 Colour code: orange similar RAL 2003
 Core surface: free of talc powder

Marking
 Outer sheath is printed:

ATTENTION HIGH VOLTAGE MAX 600 V AC / 1000 V DC ⚡

[xx...xx]: Internal Code
 Distance of marking: max. 200 mm

**Electrical
 properties**

Conductor resistance: max. 4.7 mΩ/m
 (DC, 20°C)

Test voltage: eff. 8.0 kVolt spark test
 eff. 5.0 kVolt 5 minutes

Nominal voltage: max. 600 / 1.000 Volt
 (AC / DC)

Mechanical properties

Bend radius:
 - min. 2 x cable-Ø: static installation
 - min. 4 x cable-Ø: dynamic installation

Weight of cable: approx. 43.5 g/m

Thermal properties

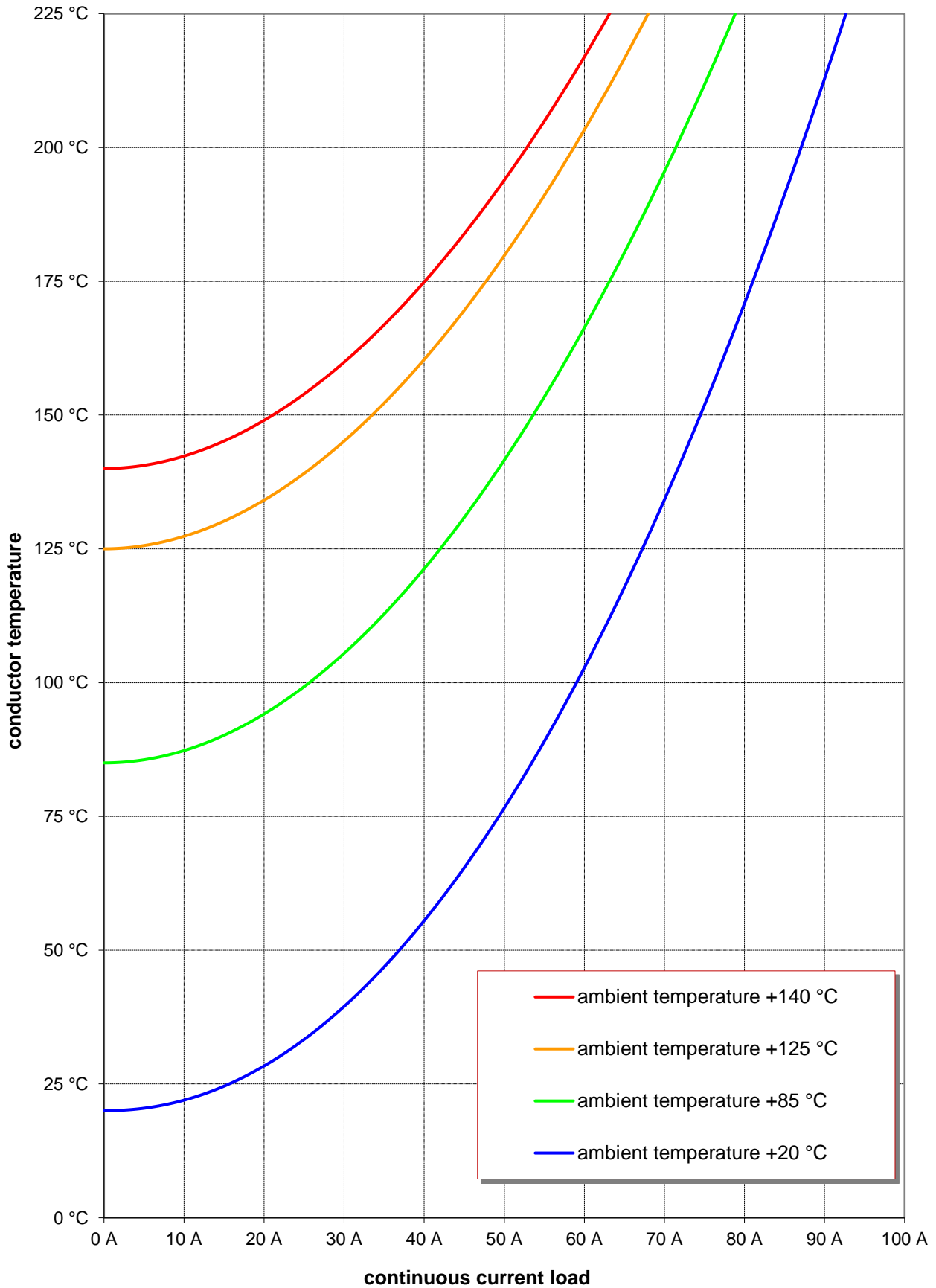
Operating temperature: -40 °C to +180 °C (3000 h)
 Short term ageing: to +205 °C (240 h)

¹⁾ max. conductor diameter: average value of the measured largest and smallest conductor diameter under the core insulation

Version	Creator	Date of Issue	Description
A 1	Eck	2017-08-25	Erstausgabe / first edition
A 2			
A 3			
A 4			
A 5			

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Annex: Continuous current loading on conductor as a function of ambient temperature calculated simulation according to LV112-3



Annex: Short-term current loading on conductor as a function of ambient temperature calculated simulation according to LV112-3

