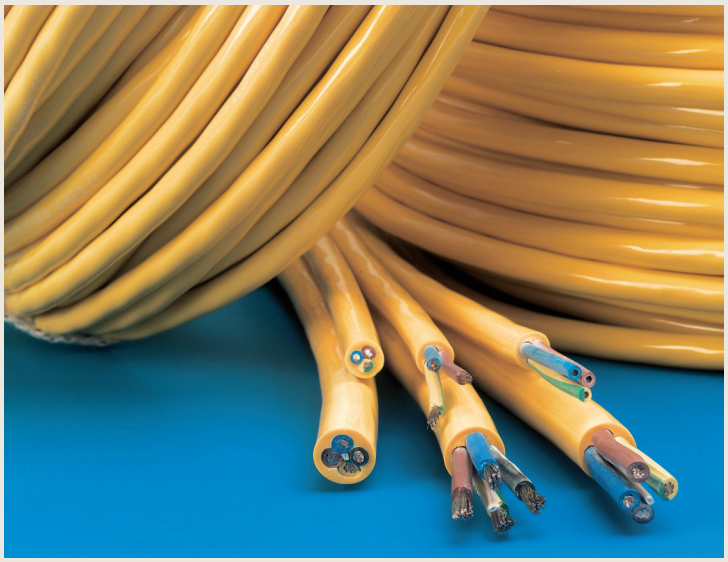
ELSPRO-FLEX® G 05 (from 2 x 0.75 - 5 G 1.00 mm²)
ELSPRO-FLEX® G 07 (from 2 x 1.50 - 5 G16.00 mm²)

Special hose line with modified polyurethane sheath and EPR lead insulation

- cable certified by VDE and HAR
- tin-plated CU conductor
- signal color yellow
- type code printed on external sheath



SPECIAL FEATURES:

- ***ULTRA-FINE* copper wire (class 6), highly flexible**
- halogen-free
- silicon-free sheath and lead insulation
- withstands high mechanical loads
- resistant to grease, organic and inorganic oils (as per VDE 0472/803A)
- outstanding abrasion resistance
- excellent resistance to tear and high notch tensile strength
- high radiation resistance

→ significantly lower chance of “lead rupture”; easy handling, even under rough conditions
→ no harmful halogens released (e.g., chlorine/hydrochloric acid)
→ easy implementation in paint-related contexts; no coating effect or aggressive deposits
→ long service life, fewer production losses
COST SAVINGS
→ next to no “swelling” of the cable
→ implementable under high shear and abrasion loads
→ any damage to the sheath remains “localized”
→ can be used in various contexts, e.g., with radiation equipment, fusion research facilities, particle accelerators, etc.

Outside Diameter in mm Mean Value	Max.	Cross-Section in mm²	Order No.
7.2	8.1	3 G 0.75	**G05 3075**
7.8	8.8	4 G 0.75	**G05 4075**
8.8	9.8	5 G 0.75	**G05 5075**
7.1	8.0	2 x 1.00	**G05 210**
7.5	8.5	3 G 1.00	**G05 310**
7.1	9.3	4 G 1.00	**G05 410**
8.7	9.8	2 x 1.50	**G07 215**
10.3	11.6	2 x 2.50	**G07 225***
9.2	10.4	3 G 1.50	**G07 315**
11.0	12.4	3 G 2.50	**G07 325***
10.2	11.6	4 G 1.50	**G07 415**
11.1	12.7	5 G 1.50	**G07 515***
13.7	15.3	5 G 2.50	**G07 525***
16.0	17.9	5 G 4.00	**G07 540***
17.9	20.0	5 G 6.00	**G07 560***
13.0		7 G 1.50	**G07 715***

Inside wiring up to 5 leads, color-coded > 5-lead numbering
* Model with copper class 5

– other models on request / subject to modification and errors –

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REGULATIONS: DIN VDE 0282 (Part 10)

EXTERIOR SHEATH:
- modified polyurethane
- color: yellow

VOLTAGES:

Nominal voltage:	U_o/U = 300/500V	G05
Nominal voltage:	U_o/U = 450/750V	G07
Operating voltage:	U_o/U = 330/570V	G05
Operating voltage:	U_o/U = 500/865V	G07
Alternating current test voltage:	**3000V**	

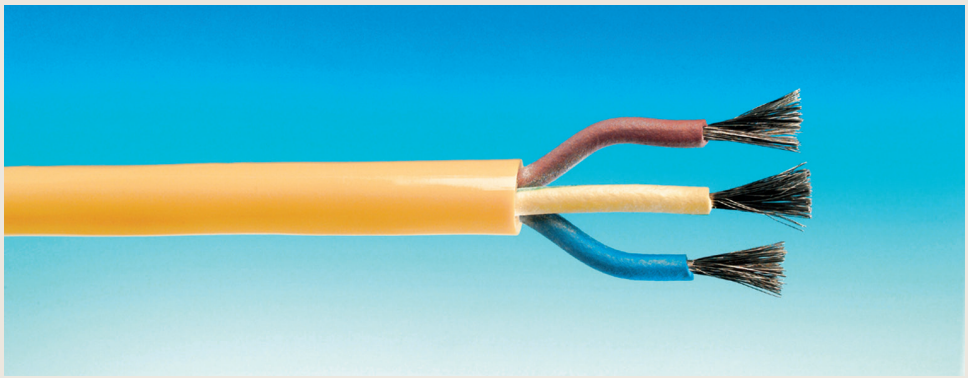
TEMPERATURES:

during operation (conductor temperature)	+ 90° C
in the case of a short circuit	+ 200° C
lowest working temperature, flexible	- 35° C
lowest working temperature, resting	- 45° C

BENDING RADII:

d ≤ 8 mm = 2d
d 8-12 mm = 3d
d > 12 mm = 4d

INSIDE WIRING:
- ULTRA-FINE-WIRED, tin-plated copper conductor (class 6 / DIN/VDE 0295 / IEC 228)
- special EPR insulation in accordance with DIN/VDE 0207T20



Skin contact should be avoided when the cable is used under high-temperature conditions.
For use in areas where
- hot components are touched
- “heavy” sweating occurs, beats of sweat appear
- thermal radiation is present
- there is exposure to open fire (e.g., steel production and processing)

please use our INDUSTRIEFLEX® cables (catalog pages 8.1-8.8) or ELSPRO-FLEX® THERM-MF cables (catalog pages 8.17) instead!