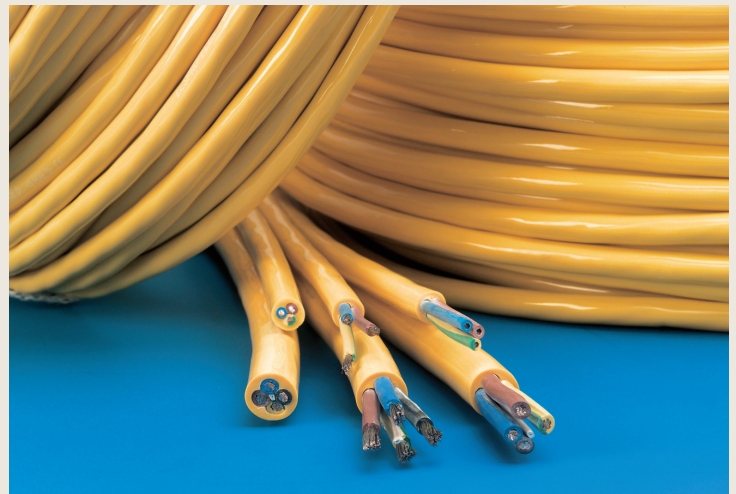


ELSPRO-FLEX® G 05

ELSPRO-FLEX® G 07)

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** → significantly lower chance of "lead rupture"; easy handling, even under rough conditions
- halogen-free → no harmful halogens released (e.g., chlorine/hydrochloric acid)
- silicon-free sheath and lead insulation → easy implementation in paint-related contexts; no coating effect or aggressive deposits
- withstands high mechanical loads → long service life, fewer production losses **COST SAVINGS**
- resistant to grease, organic and inorganic oils (as per VDE 0472/803A) → next to no "swelling" of the cable
- outstanding abrasion resistance → implementable under high shear and abrasion loads
- excellent resistance to tear and high notch tensile strength → any damage to the sheath remains "localized"
- high radiation resistance → can be used in various contexts, e.g., with radiation equipment, fusion research facilities, particle accelerators, etc.

Outside Diameter in mm		Cross-Section	Order No.
Mean Value	Max.	in mm ²	
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
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 –

REGULATIONS: DIN VDE 0285-525-2-21

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:

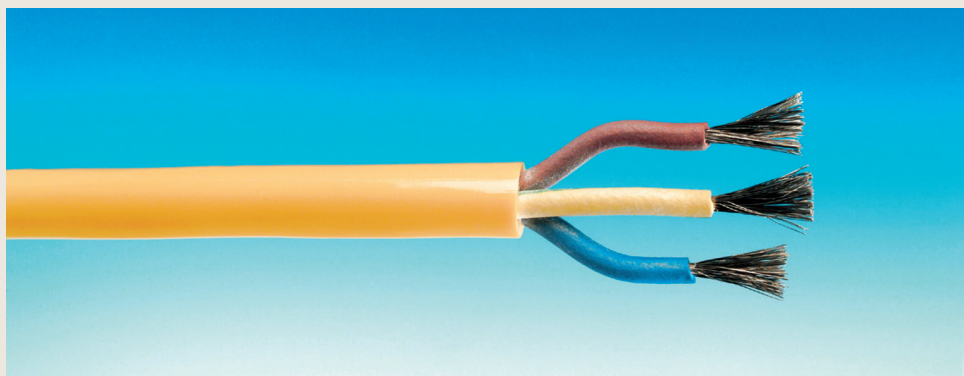
during operation (conductor temperature)	+ 90° C
in the case of a short circuit	+ 200° C
lowest working temperature, flexible	- 35° C
lowest working temperature, resting	- 45° C

BENDING RADII:

$d \leq 8 \text{ mm}$	$= 2d$
$d \text{ 8-12 mm}$	$= 3d$
$d > 12 \text{ mm}$	$= 4d$

INSIDE WIRING:

- ULTRA-FINE-WIRED,
tin-plated copper conductor (class 6 / DIN/VDE 0295 / IEC 228)
- special EPR insulation in accordance with DIN/VDE 0207-20



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, beads 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!