

YELLOWFLEX

wear-resistant, weather-resistant



HELUKABEL® YELLOWFLEX 3G2,5 QMM / 37270 450/750V CE

TECHNICAL DATA

Rubber connection cable in alignment with DIN VDE 0285-525-2-21 / DIN EN 50525-2-21

Temperature range	flexible -25°C to +60°C fixed -30°C to +60°C
Permissible operating temperature of the conductor	+60°C
Nominal voltage	AC U ₀ /U 450/750 V
Max. permissible operating voltage	alternating current (AC) conductor/earth 476 V three-phase alternating current (AC) conductor/conductor 825 V direct current (DC) conductor/earth 619 V direct current (DC) conductor/conductor 1238 V
Test voltage core/core	2500 V
Tensile stress	during installation and operation, 15 N/mm ²
Minimum bending radius	fixed 4x Outer-Ø flexible, guidance via roles 7.5x Outer-Ø flexible, winding on drums 5x Outer-Ø

- Cores stranded in layers with optimal lay lengths
- Outer sheath: rubber acc. to DIN VDE 0207-363-2-1 / DIN EN 50363-2-1 (compound type EM2)
- Sheath colour: yellow (RAL 1021)
- Length marking: in metres

PROPERTIES

- resistant to: weathering effects
- largely resistant to: oil, greases
- tear-resistant, wear-resistant
- for outdoor use

TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- certifications and approvals: EAC

APPLICATION

Robust rubber cable for applications that require extreme flexibility and where cables are subject to high mechanical loads. For use in dry, damp and wet rooms as well as outdoors such as in metallurgical plants and rolling mills, in heating and air conditioning technology, in the bottling industry, in machinery and plant engineering, in the chemical industry as well as in the craft and hobby sector. The yellow colour of the sheath is used for safety. When laid in pipes or in similar closed systems, the use of the cable is permitted up to and including 1000 V AC or 750 V DC against earth.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only
- custom printing of outer jacket possible; please contact us

CABLE STRUCTURE

- Copper wire bare, finely stranded acc. to DIN VDE 0295 Class 5 / IEC 60228 Class 5
- Core insulation: rubber acc. to DIN VDE 0207-363-1 / DIN EN 50363-1 (compound type E14)
- Core identification acc. to DIN VDE 0293-308, 2 - 5 core(s): colour coded
7 - 12 core(s): black cores with consecutive labeling in white digits
- Protective conductor: starting with 3 cores,
G = with protective conductor GN-YE, in the outer layer,
x = without protective conductor

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer-Ø min - max mm	Cu-weight kg/km	Weight kg/km, approx.
37259	2 x 1	18	7.7 - 10.0	19.0	98.0
37260	3 G 1	18	8.3 - 10.7	29.0	131.0
37261	4 G 1	18	9.2 - 11.9	38.0	150.0
37262	5 G 1	18	10.2 - 13.1	48.0	220.0
37263	2 x 1.5	16	8.5 - 11.0	29.0	135.0
37264	3 G 1.5	16	9.2 - 11.9	43.0	165.0
37265	4 G 1.5	16	10.2 - 13.1	58.0	200.0
37266	5 G 1.5	16	11.2 - 14.4	72.0	241.0
37267	7 G 1.5	16	16.5 - 16.5	101.0	375.0
37268	12 G 1.5	16	17.6 - 22.4	175.0	460.0
37269	2 x 2.5	14	10.2 - 13.1	48.0	194.0
37270	3 G 2.5	14	10.9 - 14.0	72.0	235.0
37271	4 G 2.5	14	12.1 - 15.5	96.0	290.0

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer-Ø min - max mm	Cu-weight kg/km	Weight kg/km, approx.
37272	5 G 2.5	14	13.3 - 17.0	120.0	347.0
37273	2 x 4	12	11.8 - 15.1	77.0	282.0
37274	3 G 4	12	12.7 - 16.2	115.0	322.0
37275	4 G 4	12	14.0 - 17.9	154.0	397.0
37276	5 G 4	12	15.6 - 19.9	192.0	486.0
37277	4 G 6	10	15.7 - 20.0	230.0	541.0
37278	5 G 6	10	17.5 - 22.2	288.0	652.0
37279	4 G 10	8	20.9 - 26.5	384.0	952.0
37280	5 G 10	8	22.9 - 29.1	480.0	1203.0
37281	4 G 16	6	23.8 - 30.1	614.0	1260.0
37282	5 G 16	6	26.4 - 33.3	768.0	1550.0
37283	4 G 25	4	28.9 - 36.6	960.0	1860.0
37284	5 G 25	4	32.0 - 40.4	1200.0	2250.0

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Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer-Ø min - max mm	Cu-weight kg/km	Weight kg/km, approx.
37285	4 G 35	2	32.5 - 41.1	1344.0	2374.0

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer-Ø min - max mm	Cu-weight kg/km	Weight kg/km, approx.
37286	5 G 35	2	40.6 - 40.6	1680.0	2752.0