

Product Description

Broad application range due to multiple approvals



Application range

- Plant engineering and construction Industrial machinery Air conditioning installations
- In EMI critical environment (electromagnetic interference)
- Mainly in dry, damp and wet interiors (including water-oil mixtures), but not for outdoor use
- For fixed installation under medium mechanical load conditions as well as occasional flexing at free, non-continuously recurring movement without tensile load or compulsory guidance
- Note: Single conductor or multi-conductor Type AWM (Appliance Wiring Material) shall be permitted for industrial machinery (US) when part of a listed assembly suitable for the intended use only. NFPA 79 Edition 2007 §12.2.7.3 (Electrical Standard for Industrial Machinery)

Benefits

- Broad application range due to multiple approvals

Design

- Fine strands of bare copper wires
- PVC core insulation
- PVC inner sheath, grey
- tinned copper braid
- PVC outer sheath, increased oil resistance grey (RAL 7001)

Approvals (Norm references)

- Multi standard cables have conductor strands with nominal sizes in mm² or AWG/kcmil nominal sizes. The master size is mentioned in the table below, the equivalent size of the other system can be found in the catalogue appendix table T16. For this related secondary size the conductor cross-section mostly works out greater than the specified nominal value.



Product features

- Flame retardant according to IEC 60332-1-2 and UL 1581 §1061 Cable Flame Test
- Increased oil resistance
- High coverage degree of the screen low transfer impedance (max. 250 Ohm/km at 30 MHz)

Technical Data

Core identification code

Black with white numbers acc. to VDE 0293

Approvals

H05VVC4V5-K (HD 21.13 S1)

UL AWM Style 21098 or 2587 CSA AWM I A/B II A/B

Specific insulation resistance

> 20 GOhm x cm

Conductor stranding

Fine wire in accordance to VDE 0295 Class 5 / IEC 60228 Class 5

Minimum bending radius

Occasional flexing: 20 x cable diameter
Fixed installed: 6 x outer diameter

Rated voltage

HAR U0/U: 300/500 V

UL/CSA: 600 V

Test voltage

3000 V

Protective conductor

G = with protective conductor GN/YE

X = without protective conductor

Range of temperature

Occasional flexing: HAR: -5°C up to +70°C UL/CSA: -5°C up to +90 °C

Fixed installation: HAR: -40°C up to +70°C UL/CSA: -40°C up to +90°C

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
ÖLFLEX® 150 CY QUATTRO				
0015602	2 X 0,75	8,5	40.0	109
0015603	3 G 0,75	8,9	51.0	125
0015604	4 G 0,75	9,6	70.0	157
0015605	5 G 0,75	10,3	77.0	180
0015607	7 G 0,75	12,3	93.0	226
0015612	12 G 0,75	14,8	155.0	325
0015702	2 X 1,0	8,9	46.4	121
0015703	3 G 1,0	9,5	76.0	145



0015704	4 G 1,0	10,1	80.0	180
0015705	5 G 1,0	11,1	95.0	203
0015707	7 G 1,0	13,1	118.0	273
0015712	12 G 1,0	15,8	195.0	425
0015802	2 X 1,5	9,9	59.2	151
0015803	3 G 1,5	10,5	84.0	159
0015804	4 G 1,5	11,3	94.0	211
0015805	5 G 1,5	12,6	122.0	241
0015807	7 G 1,5	14,9	143.0	306
0015812	12 G 1,5	17,6	254.0	480
0015903	3 G 2,5	11,8	120.0	245
0015904	4 G 2,5	13,1	170.0	295
0015905	5 G 2,5	14,6	205.0	365
0015907	7 G 2,5	17,3	241.0	480

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: Coil \leq 30 kg and \leq 250 m, otherwise drum

Please specify the desired make-up (e.g. 1 x 600 m drum or 8 x 75 m coils)

Photographs are not to scale and do not represent detailed images of the respective products.