Product Description

Application

- World-wide application range due to multiple international approvals (HAR, UL AWM, CSA, CCC)
- Suitable for fixed installation under medium mechanical load conditions as well as for flexing application at free, non-continuously recurring movement without tensile load or compulsory guidance
- Mainly in dry, damp and wet interiors (including water-oil mixtures), but not for outdoor use

Area of use:

- Plant engineering and construction
- Machine tools
- Installations, equipment and devices
- Conveying and transport systems

Amendment: 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)

Advantage

- Applicable in areas with increased demands to chemical resistance and flame retardance
- The UL/CSA AWM approvals allows common installation with other cables, which are also carrying an operating voltage up to 600 V
- Facilitates economical stocking, process planning and engineering, thus speeds up the export orders

Worth knowing

Accessories

- SKINTOP® and SKINDICHT® cable glands
- SILVYN® Cable Conduit Systems
- FLEXIMARK® Cable Marking
- Cable processing products, see chapter Cable Accessories

Comparable products:

- ÖLFLEX®191 ÖLFLEX® CONTROL TM ÖLFLEX®Tray II

- Appendix Table A2 \"Highly Flexible FD Cables\"

Technical notes:

- Flame retardant acc. to IEC 60332-1-2 UL 1581 §1061 Cable Flame Test

Cable Make-up

- Fine strands of bare copper wires
- PVC based core insulation
- Cores twisted in layers
- Special PVC-based outer sheath compound
- Increased oil resistance
- Sheath colour RAL 7001 (silver grey)

Technical Data

Core identification code
Black cores with white numbers
Approvals
H05VV5-F (HD21.13)
UL AWM Style 2587 or 21098 CSA AWM I A/B II A/B
Specific insulation resistance
> 20 GOhm x cm
Conductor stranding
Fine wire acc. to: VDE 0295 Kl.5 IEC 60228 Cl.5
Minimum bending radius
Flexing: 12.5 x cable diameter
Static: 4 x cable 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 to +70 °C UL/CSA: -5 °C to +90 °C
Fixed installation: HAR: -40 °C to +70 °C UL/CSA: -40 °C to +90 °C

Article List

Part number	Number of cores and mm² per conductor	Number of cores and MCM per conductor	AWG	Outer diameter in mm approx.	Copper index kg/km approx.	Weight kg/km approx.
ÖLFLEX® 150 QUATTRO						
0015002	2 X 0,5		21	5,9	9.6	47

0015003	3 G 0,5		21	6,2	14.4	62.4
0015004	4 G 0,5		21	6,8	19.2	68.2
0015005	5 G 0,5		21	7,4	24	87.1
0015007	7 G 0,5		21	9,1	33.6	118.7
0015012	12 G 0,5		21	11,1	58	198
0015025	25 G 0,5		21	16	120	380.4
0015034	34 G 0,5		21	18,1	164	509
0015041	41 G 0,5		21	19,7	197	595
0015102	2 X 0,75		19	6,3	14.4	61
0015103	3 G 0,75		19	6,7	21.6	75.6
0015104	4 G 0,75		19	7,2	28.8	83.9
0015105	5 G 0,75		19	8,1	36	113.3
0015107	7 G 0,75		19	9,9	50	145
0015112	12 G 0,75		19	12	86	244.9
0015118	18 G 0,75		19	14,4	130	327.7
0015125	25 G 0,75		19	17,5	180	466.4
0015134	34 G 0,75		19	19,7	245	626.5
0015141	41 G 0,75		19	21,6	296	748
0015150	50 G 0,75		19	23,5	360	895.3
0015202	2 X 1		18	6,7	19.2	80
0015203	3 G 1		18	7,1	28.8	89.3
0015204	4 G 1		18	7,7	38.4	98.6
0015205	5 G 1		18	8,7	48	132.1
0015207	7 G 1		18	11,5	67	169.3
0015212	12 G 1		18	13	115	285.9
0015218	18 G 1		18	15,4	173	405.2
0015225	25 G 1		18	18,7	240	569.5
0015234	34 G 1		18	21,3	326	741.7
0015241	41 G 1		18	23,1	394	886
0015250	50 G 1		18	25,2	480	1072.2
0015261	61 G 1		18	28,5	586	1266
0015262	65 G 1		18	28,8	624	1410
0015302	2 X 1,5		16	7,5	28.8	95
0015303	3 G 1,5		16	8,1	43	109.8
0015304	4 G 1,5		16	8,9	58	140.7
0015305	5 G 1,5		16	10	72	168
0015307	7 G 1,5		16	12,3	101	224.2
0015312	12 G 1,5		16	14,8	173	361.7
0015318	18 G 1,5		16	17,8	259	518.3
0015325	25 G 1,5		16	21,5	360	729.9
0015334	34 G 1,5		16	24,7	490	946.6

0015341	41 G 1,5		16	26,8	591	1136
0015350	50 G 1,5		16	29,4	720	1382.1
0015361	61 G 1,5		16	31,4	879	1638.9
0015402	2 X 2,5		14	8,9	48	159
0015403	3 G 2,5		14	9,6	72	170
0015404	4 G 2,5		14	10,7	96	210
0015405	5 G 2,5		14	11,8	120	257
0015407	7 G 2,5		14	14,5	168	340
0015412	12 G 2,5		14	17,7	288	580
0015418	18 G 2,5		14	21,4	432	850
0015425	25 G 2,5		14	25,8	600	1175