

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

As ÖLFLEX® 150 QUATTRO, additionally:

- PVC inner sheath
- Screen braiding made of tinned copper wires

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: 20 x cable diameter

Static: 6 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 CY QUATTRO						
0015516	18 G 0,5		21	15,8	156.4	376
0015602	2 X 0,75		19	8,5	40	109
0015603	3 G 0,75		19	8,9	68	125
0015604	4 G 0,75		19	9,6	70	157
0015605	5 G 0,75		19	10,3	77	180
0015607	7 G 0,75		19	12,3	93	226
0015612	12 G 0,75		19	14,4	155	325

0015702	2 X 1		18	8,9	46.4	121
0015703	3 G 1		18	9,5	76	145
0015704	4 G 1		18	10,1	80	180
0015705	5 G 1		18	11,1	95	203
0015707	7 G 1		18	13,1	118	273
0015712	12 G 1		18	15,8	195	425
0015802	2 X 1,5		16	9,9	59.2	151
0015803	3 G 1,5		16	10,3	84	159
0015804	4 G 1,5		16	11,3	94	211
0015805	5 G 1,5		16	12,6	122	241
0015807	7 G 1,5		16	14,9	143	306
0015812	12 G 1,5		16	17,6	254	480
0015902	2 X 2,5		14	11,3	83.2	202
0015903	3 G 2,5		14	11,8	120	245
0015904	4 G 2,5		14	13,1	170	295
0015905	5 G 2,5		14	14,6	205	365
0015907	7 G 2,5		14	17,3	241	480