

## FLEX-QUATTRO



**FLEX-QUATTRO** is PVC, flexible, oil-resistant, multi-conductor power and control cable designed for use in all electrical equipment in dry, damp and wet conditions. Especially designed for international use in the North American and European markets by carrying Harmonization, UL and CSA approvals. For use in flexible or stationary applications under medium mechanical stress with free movement without any tensile stress, loads or forced movements. Common applications include connections and control to CNC machines, machine tools, control systems, assembly lines, control panel to machine connections, grinding machines and bottling equipment. Found in plant engineering, paint shops, power stations and refrigeration plants. Outdoor installation is not permitted. Common European designation is **H05VV5-F**.



### Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Cl-5
- Special PVC core insulation
- Color code VDE-0293 - black & numbered
- Ground wire in outer layer
- PVC outer jacket - gray (RAL 7001)
- "OZ" denotes no ground wire
- **Extremely oil & chemical resistant**

### Technical:

- Working voltage: 300/500 (600v UL)
- Test voltage: 3000 volts
- Flexing bending radius: 15 x Ø
- Static bending radius: 5 x Ø
- Flexing temp: -5° C to +70° C (90° UL)
- Static temp: -30° C to +80° C (90° UL)
- Flame retardant: IEC 60332.1, FT1
- Insulation resistance: 20 MΩ x km

### Approvals:

- UL Style 2587, VW-1
- CSA AWM I A/B, II A/B FT1
- <HAR> HD 21.13 S1
- <VDE> 0281 Part-13
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant
- **H05VV5-F HAR/UL/CSA**

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>21 AWG (16/32) 0,50mm2</b>				
1502102 OZ	2	0.224" / 5.7mm	7	35
1502103	3	0.240" / 6.1mm	9	42
1502104	4	0.264" / 6.7mm	13	46
1502105	5	0.283" / 7.3mm	17	58
1502107	7	0.346" / 8.8mm	23	80
1502112	12	0.437" / 11.1mm	39	133
1502118	18	0.527" / 13.4mm	58	178
1502125	25	0.630" / 16.0mm	80	255
1502134	34	0.697" / 17.7mm	109	341
1502141	41	0.775" / 19.7mm	131	399
<b>19 AWG (24/32) 0,75mm2</b>				
1501902 OZ	2	0.236" / 6.0mm	9	44
1501903	3	0.256" / 6.5mm	14	51
1501904	4	0.280" / 7.1mm	19	57
1501905	5	0.311" / 7.9mm	24	76
1501907	7	0.374" / 9.5mm	34	97
1501912	12	0.457" / 11.6mm	55	164
1501918	18	0.547" / 13.9mm	87	219
1501925	25	0.673" / 17.1mm	121	313
1501934	34	0.752" / 19.1mm	164	420
1501941	41	0.823" / 20.9mm	199	501
1501950	50	0.906" / 23.0mm	241	601
<b>18 AWG (32/32) 1,00mm2</b>				
1501802 OZ	2	0.248" / 6.3mm	13	47
1501803	3	0.268" / 6.8mm	19	59
1501804	4	0.295" / 7.5mm	25	66
1501805	5	0.331" / 8.4mm	32	89
1501807	7	0.394" / 10.0mm	45	114
1501812	12	0.492" / 12.5mm	77	191
1501818	18	0.579" / 14.7mm	116	272
1501825	25	0.709" / 18.0mm	161	382
1501834	34	0.799" / 20.3mm	219	498
1501841	41	0.882" / 22.4mm	263	594
1501850	50	0.957" / 24.3mm	322	718
1501861	61	1.055" / 26.8mm	393	848
1501865	65	1.106" / 28.1mm	419	882

Sizes continued on next page.

## FLEX-QUATTRO



### FLEX-QUATTRO Sizes Continued. ( 16 AWG & Larger )

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
<b>16 AWG (30/30) 1,50mm<sup>2</sup></b>				
1501602 OZ	2	0.291" / 7.4mm	19	61
1501603	3	0.315" / 8.0mm	29	74
1501604	4	0.343" / 8.7mm	39	95
1501605	5	0.386" / 9.8mm	48	112
1501607	7	0.469" / 11.9mm	68	151
1501612	12	0.571" / 14.5mm	116	242
1501618	18	0.685" / 17.4mm	174	347
1501625	25	0.839" / 21.3mm	241	490
1501634	34	0.949" / 24.1mm	329	634
1501641	41	1.031" / 26.2mm	396	761
1501650	50	1.134" / 28.8mm	483	926
1501661	61	1.240" / 31.5mm	589	1100
<b>14 AWG (50/30) 2,50mm<sup>2</sup></b>				
1501402 OZ	2	0.362" / 9.2mm	32	84
1501403	3	0.390" / 9.9mm	48	113
1501404	4	0.437" / 11.1mm	64	140
1501405	5	0.472" / 12.0mm	80	172
1501407	7	0.575" / 14.6mm	228	228
1501412	12	0.713" / 18.1mm	193	388
1501418	18	0.870" / 22.1mm	290	571
1501425	25	1.043" / 26.5mm	402	788
1501434	34	1.177" / 29.9mm	495	1026
1501441	41	1.259" / 32.0mm	660	1277
1501450	50	1.386" / 35.2mm	805	1536

\*\* for sizes larger than #14 AWG (2,50mm<sup>2</sup>) see product FLEX-UL (140)

\* Additional sizes may be available.