

FLEX-QUATTRO-CY

<HAR>



FLEX-QUATTRO-CY is PVC, flexible, oil-resistant, overall shielded, multi-conductor power and control cable designed for use in all electrical equipment in dry, damp and wet conditions. Especially designed for international use 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. Due to the tinned copper braiding, **FLEX-QUATTRO-CY** cables are suitable for interference-free data and signal transmissions in signal and control applications where greater electromagnetic compatibility is required. Outdoor installation is not permitted. Common European designation is **H05VVC4V5-K**.



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
- Gray PVC inner jacket
- 85% Tinned Copper Braid
- 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: 20 x Ø
- Static bending radius: 6 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, VV-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
- **H05VVC4V5-K HAR/UL/CSA**

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
21 AWG (16/32) 0,50mm2				
1512102 OZ	2	0.303" / 7.7mm	21	60
1512103	3	0.323" / 8.3mm	24	70
1512104	4	0.350" / 8.9mm	28	83
1512105	5	0.382" / 9.7mm	32	99
1512107	7	0.441" / 11.2mm	43	131
1512112	12	0.535" / 13.6mm	70	185
1512118	18	0.606" / 15.4mm	99	280
1512125	25	0.732" / 18.6mm	141	338
1512134	34	0.881" / 22.4mm	200	424
1512141	41	0.944" / 24.0mm	234	516
1512150	50	1.003" / 25.5mm	315	650
1512161	61	1.094" / 27.8mm	355	719
19 AWG (24/32) 0,75mm2				
1511902 OZ	2	0.315" / 8.0mm	28	68
1511903	3	0.339" / 8.6mm	37	85
1511904	4	0.370" / 9.4mm	45	104
1511905	5	0.398" / 10.1mm	52	121
1511907	7	0.469" / 11.9mm	60	151
1511912	12	0.559" / 14.2mm	111	219
1511918	18	0.654" / 16.6mm	127	307
1511925	25	0.787" / 20.0mm	184	426
1511934	34	0.882" / 22.4mm	268	540
1511941	41	0.945" / 24.0mm	315	690
1511950	50	1.031" / 26.2mm	390	775
1511961	61	1.157" / 29.4mm	455	940
18 AWG (32/32) 1,00mm2				
1511802 OZ	2	0.335" / 8.5mm	34	76
1511803	3	0.362" / 9.2mm	42	97
1511804	4	0.386" / 9.8mm	52	119
1511805	5	0.421" / 10.7mm	61	138
1511807	7	0.492" / 12.5mm	79	176
1511812	12	0.594" / 15.1mm	124	287
1511818	18	0.681" / 17.3mm	204	376
1511825	25	0.831" / 21.1mm	248	510
1511834	34	0.925" / 23.5mm	282	634

Sizes continued on next page.

FLEX-QUATTRO-CY



FLEX-QUATTRO-CY Sizes Continued. (18 AWG & Larger)

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
18 AWG (32/32) 1,00mm2 Cont.				
1511841	41	1.004" / 25.5mm	388	772
1511850	50	1.087" / 27.6mm	488	872
1511861	61	1.276" / 32.4mm	592	1006
16 AWG (30/30) 1,50mm2				
1511602 OZ	2	0.370" / 9.4mm	48	97
1511603	3	0.398" / 10.1mm	56	107
1511604	4	0.433" / 11.0mm	64	141
1511605	5	0.484" / 12.3mm	79	161
1511607	7	0.559" / 14.2mm	114	205
1511612	12	0.673" / 17.1mm	161	323
1511618	18	0.787" / 20.0mm	238	410
1511625	25	0.945" / 24.0mm	334	637
1511634	34	1.067" / 27.1mm	506	805
1511641	41	1.169" / 29.7mm	540	939
1511650	50	1.252" / 31.8mm	693	1117
1511661	61	1.362" / 34.6mm	830	1242
14 AWG (50/30) 2,50mm2				
1511402 OZ	2	0.437" / 11.1mm	58	127
1511403	3	0.472" / 12.0mm	74	164
1511404	4	0.528" / 13.4mm	96	199
1511405	5	0.575" / 14.6mm	122	246
1511407	7	0.677" / 17.2mm	179	321
1511412	12	0.835" / 21.2mm	274	417
1511418	18	0.976" / 24.8mm	408	677
1511425	25	1.173" / 29.8mm	602	922
1511434	34	1.354" / 34.4mm	791	1270
1511450	50	1.535" / 39.0mm	1113	1788
1511461	61	1.653" / 42.0mm	1336	2069

** for sizes larger than #14 AWG (2,50mm2) see product FLEX-UL-CY (141)

* Additional sizes may be available.