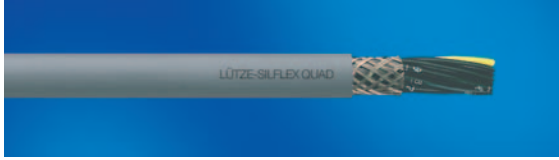


PVC control cable

LÜTZE-SILFLEX® QUAD N (C)Y (H05VVC4V5-K)



Application

- Machine and device construction, assembly lines, production lines, linking of control devices to conveyor systems
- These cables are especially suited for systems that are intended for export. Through the <HAR> UL CSA approval, these cables can be used virtually worldwide.
- The especially oil-resistant and flame-retardant PVC Jacket enables the use even under difficult conditions.

Properties

- The overall shield of braided copper wires prevents both the interference of signals and measured values as well as the radiation of interfering signals.
- PVC Flame-retardant, self-extinguishing
- Outer jacket special-PVC T12 according to HD 21.1
- Widely resistant to oils, greases, acids and bases
- Oil resistant according to HD 21.1; UL; CSA
- Free from paint wetting disruptive substances (LABS-free), RoHS-compliant

Technical data

Voltage	
U ₀ /U	300/500 V
UL/CSA	600 V
Test voltage	3000 V
Isolation resistance	min. 20 MΩ × km
Temperature range <HAR>	
moving	-5 °C to +70 °C
fixed	-40 °C to +70 °C
Temperature range UL/CSA	
moving	-5 °C to +90 °C
fixed	-40 °C to +90 °C
Minimum bending radius	according to VDE 0298 table 6
Burning behaviour	Flame-retardant according to VDE 0482 T 265; UL VW-1, CSA FT 1
Approbations	H05VV5-F <HAR> HD 21.13 UL-Style 2587 90 °C/600 V CSA AWM I

Design

- Bare copper wire, multi-strand according to DIN VDE 0295 class 5, IEC 60228 class 5
- Special PVC conductor insulation T12 according to HD 21.1
- Ground conductor green/yellow according to DIN EN 50334 in the top layer
- Conductors stranded layers
- Meshwork from tinned copper wire braid, optical covering ≥ 85 %
- Jacket special PVC TM5 according to HD 21.1, matt, adhesion-free surface
- Jacket colour grey RAL 7001

Part-No.	Number of strands/cross-section	Outer-Ø approx. mm	Weight kg/100 m	Cu-Index kg/100 m
0.75 mm²				
109582	(3×0,75)	8.9	12.5	6.8
109583	(4×0,75)	10.1	15.7	7.0
109584	(5×0,75)	10.8	18.0	7.7
109585	(7×0,75)	12.3	22.6	9.3
109587	(12×0,75)	14.5	32.5	15.5
1.0 mm²				
109568	(3×1,0)	9.6	14.5	7.6
109569	(4×1,0)	10.8	18.0	8.0
109570	(5×1,0)	11.4	20.3	9.5
109571	(12×1,0)	16.6	42.5	19.5
1.5 mm²				
109572	(3×1,5)	10.7	15.9	8.4
109573	(4×1,5)	11.4	21.1	9.4
109574	(5×1,5)	12.2	24.1	12.2
109575	(7×1,5)	14.6	30.6	14.3
109576	(12×1,5)	17.9	48.0	25.4
2.5 mm²				
109577	(3×2,5)	12.1	24.5	12.0
109578	(4×2,5)	13.4	29.5	17.0
109579	(5×2,5)	14.5	36.5	20.5
109580	(7×2,5)	16.6	48.0	24.1

CE These products are in conformity with the EC Low Voltage Directive 73/23/EWG or 93/68/EWG
LÜTZE-SILFLEX® is a registered trademark in the USA