

PVC control cable

LÜTZE-SILFLEX® QUAD N (H05VV5-F)



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

- PVC flame-retardant, self-extinguishing
- Widely resistant to 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

Design

- Bare copper wire, multi-strand according to DIN VDE 0295 class 5, IEC 60228 class 5
- Special PVC conductor insulation TI2 according to HD 21.1
- Ground conductor green/yellow according to DIN EN 50334 in the top layer
- Conductors stranded layers
- Jacket special PVC TM5 according to HD21.1, 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
0.5 mm²				
108349	2×0,5	5.8	4.5	1.0
108350	3×0,5	6.2	5.9	1.4
108351	4×0,5	6.9	6.5	1.9
108352	5×0,5	7.3	7.6	2.4
108353	7×0,5	9.1	10.3	3.4
108354	12×0,5	11.2	18.9	5.8
108355	18×0,5	13.7	28.4	8.6
108356	25×0,5	15.7	29.9	12.0
0.75 mm²				
108401	2×0,75	6.3	5.3	1.5
108357	3×0,75	6.6	6.3	2.1
108358	4×0,75	7.3	7.6	2.9
108359	5×0,75	8.1	9.7	3.6
108360	7×0,75	9.8	13.8	5.0
108392	9×0,75	11.6	12.9	6.5
108361	12×0,75	12.1	21.3	8.6
108362	18×0,75	14.0	29.9	13.0
108363	25×0,75	17.2	42.9	18.0
1.0 mm²				
108364	3×1,0	7.1	7.7	2.9
108365	4×1,0	7.7	9.3	3.8
108366	5×1,0	8.7	11.8	4.8
108367	7×1,0	10.4	16.8	6.7
108368	12×1,0	12.8	26.0	11.5
108369	18×1,0	15.2	37.3	17.3
108370	25×1,0	18.5	53.6	24.0
1.5 mm²				
108391	2×1,5	7.9	6.4	2.9
108372	3×1,5	8.4	10.9	4.3
108373	4×1,5	9.2	13.6	5.8
108374	5×1,5	10.3	17.0	7.2
108375	7×1,5	12.5	25.5	10.1
108376	12×1,5	15.2	37.3	17.3
108377	18×1,5	18.3	54.2	25.9
108378	25×1,5	22.2	77.8	36.0
2.5 mm²				
108380	3×2,5	9.9	15.8	7.2
108381	4×2,5	11.1	20.4	9.6
108382	5×2,5	12.2	26.5	12.0
108383	7×2,5	14.7	36.1	16.8
108389	9×2,5	17.7	4.6	2.3
108384	12×2,5	18.1	53.1	28.8
108385	18×2,5	21.9	78.2	43.2
108386	25×2,5	26.5	111.4	60.0

CE These products are in conformity with the EC Low Voltage Directive 73/23/EWG or 93/68/EWG
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